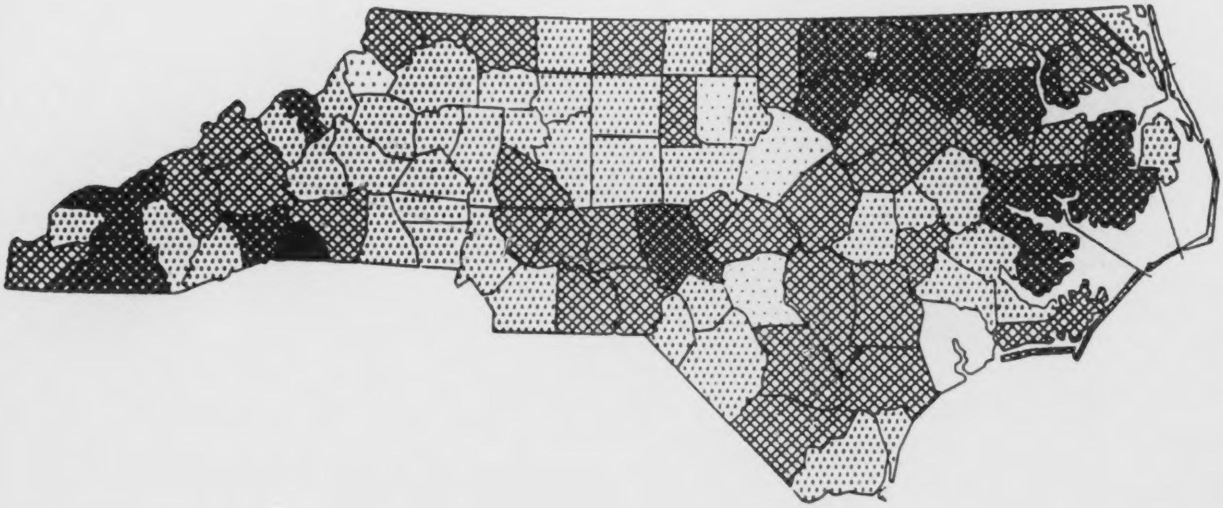
55940-1.2

LEADING CAUSES OF MORTALITY



North Carolina
Vital Statistics
1983—Volume 2

LEADING CAUSES OF MORTALITY

North Carolina
Vital Statistics
1983—Volume 2

SCHS

State Center For Health Statistics
N.C. Department of Human Resources
Division of Health Services

STATE OF NORTH CAROLINA

James B. Hunt, Jr., Governor

DEPARTMENT OF HUMAN RESOURCES

Sarah T. Morrow, M.D., M.P.H., Secretary

DIVISION OF HEALTH SERVICES

Ronald H. Levine, M.D., M.P.H.
State Health Director

Margaret Woodcock, M.A., M.P.A.

Asst. Director for Management Services

STATE CENTER FOR HEALTH STATISTICS

Charles J. Rothwell, M.B.A., M.S., Director

December 1984

750 copies of this public document were
printed at a cost of $1275.00, or $1.70 per copy.

TABLE OF CONTENTS

Page

FIGURE 1.A - Department of Human Resources Regions v
FIGURE 1.B - Health Service Areas vi

PREFACE vii

I. COMPUTATION OF MORTALITY RATES 1- 1

II. INTERPRETATION OF MORTALITY RATES 2- 1

III. FLAGGING BIASED RATES 3- 1

IV. NORTH CAROLINA MORTALITY HIGHLIGHTS 4- 1

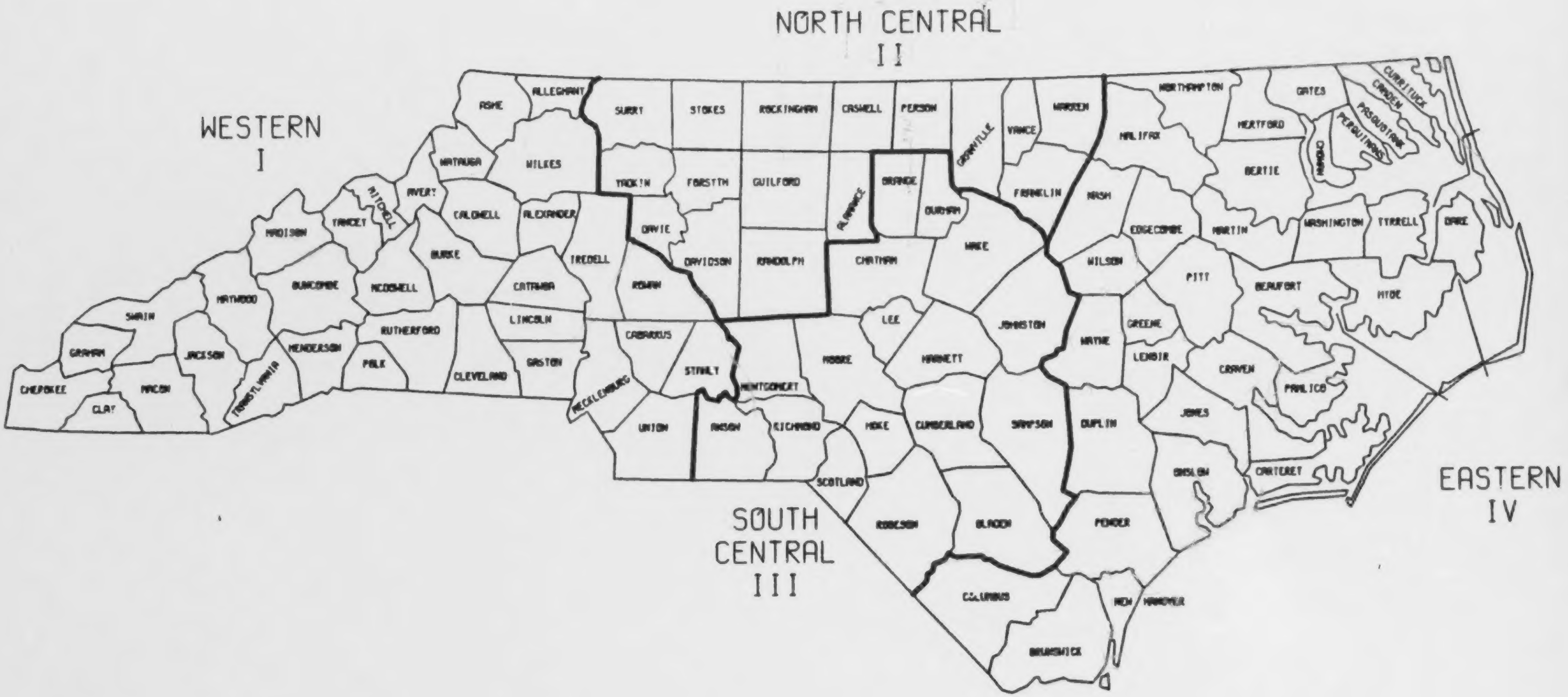
V. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1979-1983

Total Deaths 5- 3
Heart Disease 5- 9
Acute Myocardial Infarction 5- 15
Other Forms of Ischemic Heart Disease 5- 21
Hypertension with or without Renal Disease 5- 27
Cerebrovascular Disease 5- 29
Atherosclerosis 5- 35
Cancer 5- 37
  Cancer of Stomach 5- 43
  Cancer of Colon, Rectum, and Anus 5- 49
  Cancer of Pancreas 5- 55
  Cancer of Trachea, Bronchus, and Lung 5- 61
  Cancer of Female Breast. 5- 67
  Cancer of Cervix Uteri 5- 73
  Cancer of Ovary and Other Uterine Adnexa 5- 79
  Cancer of Prostate 5- 85
  Leukemia 5- 91
Diabetes Mellitus 5- 97
Pneumonia and Influenza 5- 99
Chronic Obstructive Pulmonary Disease 5-105
Chronic Liver Disease and Cirrhosis 5-111
Nephritis, Nephrotic Syndrome, and Nephrosis 5-117
Motor Vehicle Accidents 5-123
All Other Accidents and Adverse Effects 5-129
Suicide 5-135
Homicide 5-141
Infant Mortality 5-147

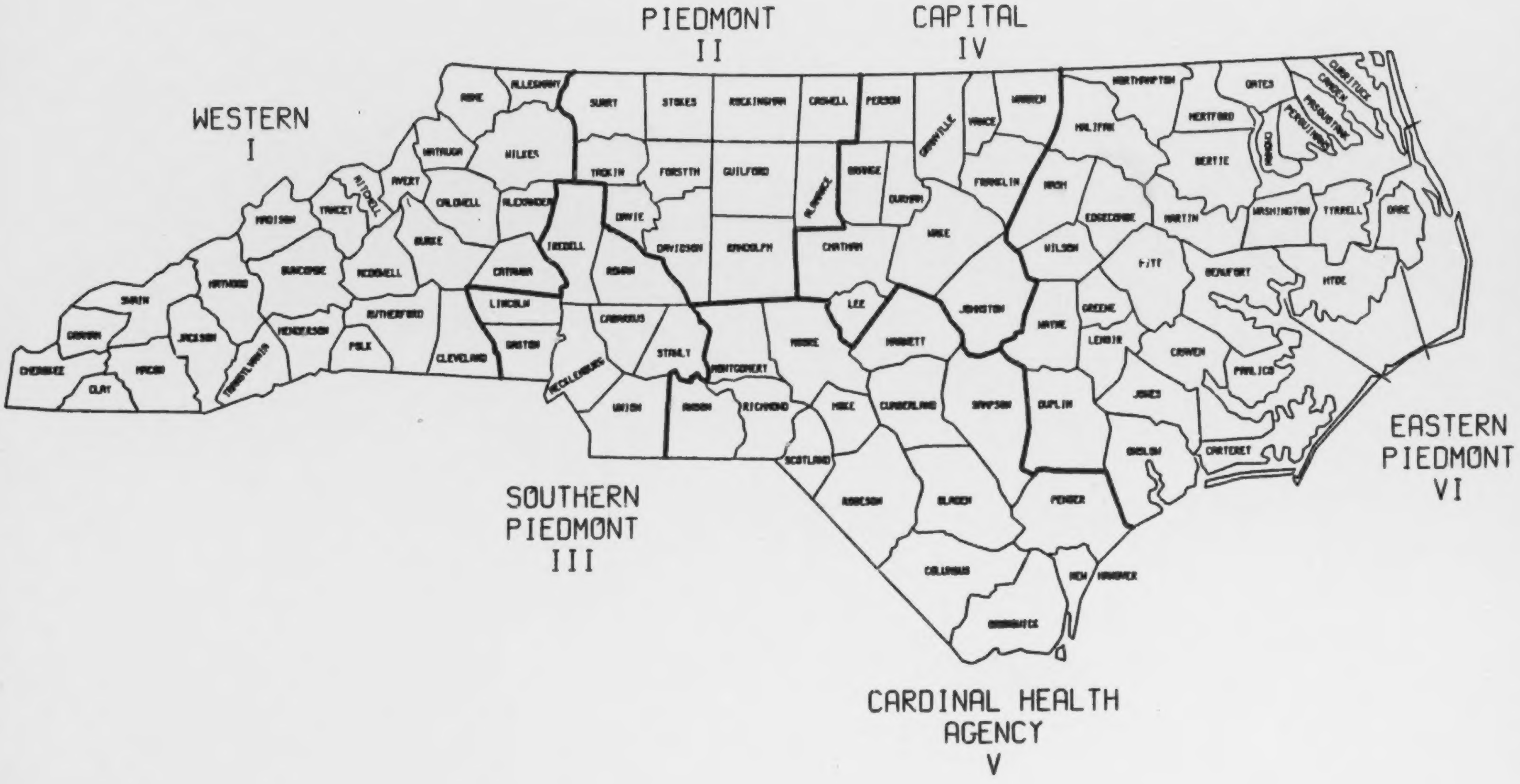
VI. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH, 1979-1983

REFERENCES

NORTH CAROLINA DHR REGIONS


NORTH CENTRAL
II
WESTERN
I
SOUTH
CENTRAL
III
EASTERN
IV
CHEROKEE
GRAHAM
CLAY
SWAIN
MACON
JACKSON
HAYWOOD
TRANSYLVANIA
MADISON
BUNCOMBE
HENDERSON
YANCEY
MITCHELL
AVERY
MCDOWELL
POLK
RUTHERFORD
BURKE
ASHE
WATAUGA
CALDWELL
WILKES
ALLEGHANY
ALEXANDER
CATAWBA
LINCOLN
CLEVELAND
GASTON
IREDELL
SURRY
YADKIN
DAVIE
ROWAN
CABARRUS
MECKLENBURG
STANLY
UNION
STOKES
FORSYTH
DAVIDSON
ROCKINGHAM
GUILFORD
RANDOLPH
MONTGOMERY
ANSON
RICHMOND
CASWELL
ALAMANCE
PERSON
ORANGE
DURHAM
CHATHAM
MOORE
LEE
SCOTLAND
HOKE
ROBESON
GRANVILLE
VANCE
WARREN
FRANKLIN
WAKE
HARNETT
JOHNSTON
CUMBERLAND
SAMPSON
BLADEN
COLUMBUS
BRUNSWICK
NEW HANOVER
PENDER
DUPLIN
WAYNE
NASH
HALIFAX
NORTHAMPTON
WILSON
EDGECOMBE
GREENE
LENOIR
JONES
ONSLOW
PITT
CRAVEN
PAMLICO
CARTERET
MARTIN
BEAUFORT
BERTIE
HERTFORD
GATES
CHOWAN
PERQUIMANS
PASQUOTANK
CAMDEN
CURRITUCK
WASHINGTON
TYRRELL
HYDE
DARE

NORTH CAROLINA HEALTH SERVICE AREAS


WESTERN
I
PIEDMONT
II
CAPITAL
IV
SOUTHERN
PIEDMONT
III
CARDINAL HEALTH
AGENCY
V
EASTERN
PIEDMONT
VI
ASHE
ALLEGHANY
SURRY
STOKES
ROCKINGHAM
CASWELL
PERSON
GRANVILLE
VANCE
WARREN
NORTHAMPTON
HERTFORD
GATES
CURRITUCK
CAMDEN
PASQUOTANK
PERQUIMANS
CHOWAN
WATAUGA
WILKES
YADKIN
FORSYTH
GUILFORD
ALAMANCE
ORANGE
DURHAM
FRANKLIN
HALIFAX
NASH
BERTIE
MADISON
YANCEY
MITCHELL
AVERY
CALDWELL
ALEXANDER
DAVIE
EDGECOMBE
MARTIN
WASHINGTON
TYRRELL
DARE
BUNCOMBE
MCDOWELL
BURKE
IREDELL
CATAWBA
ROWAN
DAVIDSON
RANDOLPH
CHATHAM
WAKE
WILSON
PITT
BEAUFORT
HYDE
HAYWOOD
SWAIN
GRAHAM
CHEROKEE
CLAY
MACON
JACKSON
TRANSYLVANIA
HENDERSON
POLK
RUTHERFORD
CLEVELAND
LINCOLN
GASTON
MECKLENBURG
CABARRUS
STANLY
UNION
ANSON
MONTGOMERY
RICHMOND
MOORE
LEE
HARNETT
JOHNSTON
WAYNE
GREENE
LENOIR
CRAVEN
PAMLICO
JONES
CARTERET
ONSLOW
HOKE
CUMBERLAND
SAMPSON
DUPLIN
SCOTLAND
ROBESON
BLADEN
PENDER
COLUMBUS
NEW HANOVER
BRUNSWICK

PREFACE

The State Center for Health Statistics has produced triennially a major publication describing North Carolina's mortality experience for a five-year period. The 1981 Leading Causes of Mortality, the third major publication of this type, included statistical tables, maps, and graphs as well as an analysis for each leading cause of death in North Carolina. In the interim years, the State Center publishes supportive reports of mapped and tabular data only.

This edition of Leading Causes of Mortality is a supportive report which should be used in conjunction with the 1981 edition for purposes of health planning and analysis. Another report that can be used is Detailed Mortality Statistics which provides annual counts of deaths classified according to detailed underlying causes of death and the age, race, and sex of decedents.

The tables and maps in this report show selected mortality statistics for counties, Department of Human Resources regions, Health Services Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and maps. In addition, the site-specific cancers and total infant mortality are also tabled and mapped. Table 1 on page 4-3 describes the selected cause-of-death categories in terms of codes from the International Classification of Diseases (Ninth Revision). Altogether, the causes included in this report accounted for 86.6 percent of all North Carolina deaths during 1983.

As with previous editions, multiple conditions present at death are included in this volume. Three diseases in particular--hypertension, atherosclerosis, and diabetes--are considered associated conditions far more often than they are considered an underlying cause. Hence, Figures 29.A through 31.B display 1979-83 county rates for deaths associated with a mention of each of these diseases.

IN USING THIS VOLUME PARTICULAR ATTENTION IS CALLED TO THE SECTIONS ON INTERPRETATION OF MORTALITY RATES AND FLAGGING BIASED RATES.

I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-27 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident deaths under one year of age per 1,000 resident live births. Population bases for the rates of this report were provided by the Office of State Budget and Management in the Governor's Office.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of Tables 1-27.

Unadjusted Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

Unadjusted 5-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 5-year period. These rates are depicted in the Series A maps (e.g., Figures 2.A, 3.A, etc.) printed in blue.

Adjusted 5-Year Death Rate: the average annual age-race-sex-adjusted rates computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which would be expected if the average annual age, race, and sex composition of each county's population were the same as that estimated for the state. These rates are free of differing effects of age, race, and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 5-year period. However, the user should not compare an adjusted death rate with an unadjusted death rate. Also, adjusted rates for different time periods cannot be directly compared unless they were adjusted by the same standard population. The adjusted rates are depicted in the Series B maps (e.g., Figures 2.B., 3.B., etc.) printed in red.

For the maps, a clustering routine* from the Statistical Analysis System (SAS) was used to group counties that are "most like each other" with respect to their unadjusted rate and then their adjusted rate (1). These maps show six levels of death rates, where level one is the lowest rate interval and level six the highest.

---

[*] In 1983 the State Center for Health Statistics conducted an evaluation of several clustering methods. It was found that one method, called "Average Linkage Method," produced tighter clusters (i.e., clusters with smaller within-cluster variances) than the other methods examined. Consequently, we plan to use this method henceforth to cluster county rates in all SCHS publications.

II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a five-year period, both the unadjusted rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's unadjusted rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

Relative Status Of		
Unadjusted Rate	Adjusted Rate	Diagnosis
Low	Low	Low mortality is not due to age, race, and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race, and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race, and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race, and sex factors; other mortality conditions are unfavorable.

In using adjusted rates, it is important that the user understand the reason for adjustment. The following hypothetical example illustrates. Here, A and B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

	County			State		
	Population	Deaths	Death Rate*	Population	Deaths	Death Rate*
Population A	300,000	1,000	333.3	500,000	2,500	500.0
Population B	10,000	10	100.0	800,000	1,000	125.0
Total	310,000	1,010	325.8	1,300,000	3,500	269.2

*Deaths per 100,000 population.

Compared to the state, county subgroups A and B both have lower rates, but the county as a whole (A and B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A and B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate--BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state rate; this information is needed in determining manpower and facility needs, etc. But in assessing "risk," the researcher needs to adjust for confounding factors such as age or race. To do this, one multiplies each population-specific county rate by the corresponding "standard" population, sums these results, and divides by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{(1000/300{,}000 \times 500{,}000) + (10/10{,}000 \times 800{,}000)}{1{,}300{,}000} = \begin{array}{c} 0.001897 \text{ or } 189.7 \\ \text{per } 100{,}000 \text{ population} \end{array}$$

Thus, as rates specific for A and B imply, the county's rate is lower than the state's rate after adjustment for the factor represented by A and B.

Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of rates based on small numbers of deaths since, in such cases, random fluctuation in the rate may render rate comparisons risky. The reader should read very carefully the next section entitled "Flagging Biased Rates."

III. FLAGGING BIASED RATES

The age-race-sex adjusted rates in this publication that have been determined to be biased are flagged with an asterisk to suggest caution in their use. A complete description of the rationale and method for flagging biased rates can be found in the 1981 Leading Causes of Mortality. A short summary is provided below.

Any rate with a small number of events (deaths) in the numerator will have substantial random variability over time, or a large standard error. A useful rule of thumb is that any rate based on fewer than 20 events in the numerator may involve serious random error and should be used very cautiously in making comparisons or assessing trends (2). Many of the rates in this volume do have numerators smaller than 20.

In addition to the problem of a large standard error, the age-race-sex-adjusted rates in this volume may be biased due to one or more deaths in a small age-race-sex population group. One death out of an estimated population of 5, for example, would produce a death rate of 20,000 per 100,000 population. If this rate were applied to the appropriate age-race-sex group of the standard population, a very large number of expected deaths would result and the adjusted rate would be biased. In this volume an adjusted rate is flagged if: a) applying the age-race-sex-specific rates of a county for a given cause to the standard population results in more than 25 percent of the total expected deaths being generated by one cell, and b) the denominator of the rate is also less than 50 (an average of 10 per year). Thirty out of a total of 2500 county adjusted rates in this volume are flagged by this method.

In addition to putting asterisks by those 1979-83 adjusted rates with a large bias due to an extremely high age-race-sex-specific rate, the rates have been recomputed by substituting the appropriate North Carolina age-race-sex-cause-specific rate in the problem cell. The table on the next page compares the flagged rates with the rates where the state rate has been substituted. The reader who must use one of these flagged rates is advised to use the rate in this table with the substitution instead. If the latter rate is clearly out of line with the North Carolina rate in the last column, the rate should be treated as missing data.

1979-83 Age-Race-Sex Adjusted Death Rates: Flagged Rates and Rate after Substitution of State Rate in Problem Cell

County	Cause	Problem Cell	Numerator	Denominator	Flagged Rate	Adjusted Rate With Substitution	N.C. Rate For Cause
Alexander	Hypertension	NWF 85+	1	47	8.63	6.43	4.05
Alexander	Atherosclerosis	NWF 85+	1	10	15.41	10.39	9.45
Alleghany	Stroke	NWM 75-84	2	16	91.98	67.76	78.26
Alleghany	Stomach Cancer	NWM 75-84	1	16	15.72	2.62	4.77
Alleghany	Lung Cancer	NWM 65-74	1	38	46.44	34.39	42.46
Alleghany	Nephritis, etc.	NWF 85+	1	27	13.60	9.82	8.36
Avery	Chronic Obstructive Pulmonary Disease	NWM 75-84	1	19	41.04	30.21	21.70
Avery	Chronic Liver Disease	NWM 55-64	1	43	22.47	4.70	10.90
Clay	Acute Myocardial Infarction	NWM 75-84	1	3	226.57	157.76	135.29
Clay	Cancer	NWM 65-74	1	9	170.15	116.92	165.41
Clay	Homicide	NWM 35-44	1	15	82.61	6.88	10.59
Graham	Other Ischemic Heart Disease	NWF 85+	1	5	47.42	27.53	81.14
Graham	Prostate Cancer	NWM 65-74	1	40	38.31	13.06	21.50
Haywood	Leukemia	NWF 85+	1	28	10.01	6.20	6.59
Henderson	Leukemia	NWM 85+	1	25	7.46	5.39	6.59
Hyde	Colon Cancer	WM 85+	1	48	9.96	6.48	17.90
Hyde	Pneumonia & Influenza	WM 85+	3	48	37.95	28.12	21.20
Hyde	Chronic Obstructive Pulmonary Disease	WM 85+	1	48	10.67	7.62	21.70
Macon	Prostate Cancer	NWM 75-84	1	23	34.12	17.90	21.50
Madison	Stroke	NWM 55-64	1	40	69.41	51.72	78.26
Madison	Atherosclerosis	NWF 85+	1	16	12.27	5.92	9.45
Madison	Chronic Obstructive Pulmonary Disease	NWM 65-74	1	21	43.46	18.30	21.70
Mitchell	Pancreas Cancer	NWM 75-84	1	20	15.86	5.39	8.86
Mitchell	Non-Motor-Vehicle Accidents	NWM 65-74	1	16	53.34	19.84	24.91
Swain	Atherosclerosis	NWF 85+	1	21	9.69	7.40	9.45
Transylvania	Diabetes	NWM 75-84	1	42	12.40	8.62	13.76
Tyrrell	Prostate Cancer	NWM 85+	1	13	24.35	17.11	21.50
Tyrrell	Non-Motor-Vehicle Accidents	NWM 85+	1	13	13.75	9.86	24.91
Watauga	Atherosclerosis	NWF 85+	1	9	21.30	4.10	9.45
Yancey	Diabetes	NWF 65-74	1	32	29.77	6.85	13.76

IV. NORTH CAROLINA MORTALITY HIGHLIGHTS

In the 1981 Leading Causes of Mortality extensive analyses of North Carolina's mortality experience were presented. That volume contained statistical tables, maps, and graphs as well as cause-specific discussions of trends, geographic patterns, risk factors, and recent research. We do not expect that the general mortality picture has changed very much in two years. Thus in this section, we will highlight 1983 unadjusted death rates for selected causes and the changes in rates from 1981 through 1983. The reader should consult the 1981 volume for a detailed discussion of each cause.

- As shown in Table 1, a total of 50,181 North Carolinians died in 1983, a rate of 8.25 deaths per 1,000 population. The 1983 rate represents a 2.4 percent increase over the 1982 rate which was 2.3 percent below the 1981 rate.

- The median age at death was 71.4 years in 1983, up from 70.7 in 1982, 70.4 in 1981, 66.4 in 1970, and 28.1 in 1914 when deaths were first centrally recorded.

- The ten leading causes of death are heart disease, cancer, cerebrovascular disease, accidents, chronic obstructive pulmonary disease, pneumonia and influenza, diabetes, suicide, atherosclerosis, and homicide.

- Of the selected causes of death shown in this volume, rates for cancer and chronic obstructive pulmonary disease increased each year from 1981 to 1983 while rates for cerebrovascular disease, chronic liver disease and cirrhosis, motor vehicle accidents, and homicides declined each year. While the two increases were not statistically significant at the .05 level, the four decreases were.

- Among the nine site-specific cancers referenced in this volume, breast, lung, and ovarian cancers showed steady unadjusted rate increases between 1981 and 1983 while pancreatic cancer showed a steady decline. The percent changes for the increasing rates were 8.4, 6.6, and 3.6 respectively while the percent decline for cancer of the pancreas was 9.4. The rates for the other site-specific cancers fluctuated between 1981 and 1983, but their 1983 rates were comparable to their 1981 or 1982 rate, or both. Among these cancers, leukemia had the largest percent change from 1982 to 1983 (declining 14.6 percent), making its 1983 rate 7.7 percent lower than the 1981 rate.

- While the steady increase in the unadjusted rate for female breast cancer occurred among both race groups, a different pattern existed with ovarian cancer. Among white females who comprised 84 percent of all ovarian cancer decedents in 1983, the ovarian cancer rate increased 22.7 percent from 1981 and 1982 but decreased 3.6 percent from 1982 and 1983. On the other hand, the rate for nonwhites declined 51 percent from 1981 to 1982 but increased 30.9 percent from 1982 to 1983. However, since these rates are based on a small number of events, comparisons are risky.

- Among the race-sex groups between 1981 and 1983, the unadjusted rate for lung cancer increased steadily for white males (4.7 percent per year), fluctuated sharply for white females and nonwhite males (although showing an overall 4.1 percent average annual increase for white females and an overall 1.9 percent average annual decrease for nonwhite males), and remained constant for nonwhite females.

- After increasing 4.0 percent from 1981 to 1982, the overall infant mortality rate declined 3.4 percent from 1982 to 1983 to a rate of 13.2 deaths per 1000 live births. The rate reduction was due primarily to a reduction in nonwhite neonatal mortality (from 14.2 in 1982 to 12.5 in 1983). Provisionally, NC's infant rate was exceeded by only 3 states in 1983 (3).

- The number of suicides, which reached a new high in 1982, declined to 748 recorded cases in 1983. Suicides among teenagers declined from 62 to 36 recorded cases but suicides among elderly persons increased from 125 to 141. With the exception of 1980, elderly suicides have increased each year since 1977.

- Since 1960 North Carolina has experienced rapid increases in the septicemia death rate, a pattern also evident for the U.S. The 1970-80 average annual percent increase (19.4%) was almost twice the 1960-70 average annual increase (10.0%). Between 1981 and 1983, the rate increased another 22 percent (from 5.0 to 6.1 deaths per 100,000 population). Approximately 74 percent of these decedents in 1983 were 65 years of age or over, up from 65 percent in 1982 and 60 percent in 1981.

- The state's motor vehicle mortality rate continued its downward trend, dropping another 6.7 percent in 1983. Unfortunately, the number of decedents under the age of 2 has increased slightly in the last 3 years (11 in 1981, 12 in 1982, and 16 in 1983).

- Certain chronic diseases are present at death far more often than they are considered the underlying cause of death. Specifically, atherosclerosis, hypertension, diabetes, and nephritis/nephrosis were listed on the death certificates of 27.6, 8.5, 7.5, and 4.9 percent, respectively, of all 1983 decedents. As underlying causes, the percentages were 1.1, 0.5, 1.7, and 1.1, respectively.

TABLE 1

MORTALITY STATISTICS FOR 1983 AND 1979-83
NORTH CAROLINA RESIDENTS

Cause of Death - Ninth Revision International Classification of Diseases		Number of deaths 1983	Death Rate* 1983	Death Rate* 1979-83
All Causes		50,181	8.25	8.16
Diseases of Heart	(390-398,402,404-429)	18,813	309.33	301.79
Acute Myocardial Infarction	(410)	8,106	133.28	135.29
Other Forms of Ischemic Heart Disease	(411-414)	4,966	81.65	81.14
Hypertension with or without Renal Disease	(401,403)	246	4.04	4.05
Cerebrovascular Disease	(430-438)	4,543	74.69	78.26
Atherosclerosis	(440)	570	9.37	9.45
Cancer	(140-208)	10,363	170.39	165.41
Stomach	(151)	285	4.68	4.77
Colon, Rectum, and Anus	(153,154)	1,091	17.93	17.90
Pancreas	(157)	531	8.73	8.86
Trachea, Bronchus, and Lung	(162)	2,789	45.85	42.46
Female Breast	(174)	882	28.20	26.24
Cervix Uteri	(180)	155	4.95	4.94
Ovary and other Uterine Adnexa	(183)	245	7.83	7.71
Prostate	(185)	640	21.66	21.50
Leukemia	(204-208)	371	6.10	6.59
Diabetes Mellitus	(250)	848	13.94	13.76
Pneumonia and Influenza	(480-487)	1,394	22.92	21.20
Chronic Obstructive Pulmonary Disease and Allied Conditions	(490-496)	1,496	24.59	21.70
Chronic Liver Disease and Cirrhosis	(571)	558	9.17	10.90
Nephritis, Nephrotic Syndrome, & Nephrosis	(580-589)	542	8.91	8.36
Motor Vehicle Accidents	(810-825)	1,282	21.07	24.43
All Other Accidents and Adverse Effects	(800-807, 826-949)	1,473	24.22	24.91
Suicide	(950-959)	748	12.29	12.34
Homicide	(960-978)	560	9.20	10.59

*See Section I

V. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1979-1983

TABLE 2

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

TOTAL DEATHS (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	50181	8.25	243001	8.16	8.16
REGIONS					
DHR I WESTERN	17391	8.34	84055	8.24	7.95
DHR II N. CENTRAL	11011	8.50	53243	8.36	8.06
DHR III S. CENTRAL	10572	7.50	51296	7.45	8.40
DHR IV EASTERN	11207	8.65	54407	8.58	8.67
HSA I WESTERN	9241	8.82	44436	8.63	7.79
HSA II PIEDMONT	9579	8.37	45850	8.15	8.01
HSA III S. PIEDMONT	8150	7.86	39619	7.85	8.10
HSA IV CAPITAL	6428	7.48	32164	7.73	8.19
HSA V CARDINAL	7540	8.15	36003	7.92	8.65
HSA VI EASTERN	9243	8.63	44929	8.55	8.71
COUNTIES					
1 ALAMANCE	884	8.72	4514	9.03	8.23
2 ALEXANDER	203	7.79	917	7.19	8.03
3 ALLEGHANY	85	8.64	480	9.86	7.36
4 ANSON	281	10.75	1277	9.94	8.28
5 ASHE	230	9.98	1061	9.39	7.08
6 AVERY	126	8.51	611	8.34	7.93
7 BEAUFORT	428	10.18	2161	10.48	9.20
8 BERTIE	223	10.45	1144	10.78	9.22
9 BLADEN	286	9.35	1450	9.48	9.29
10 BRUNSWICK	323	7.84	1536	8.14	7.85
11 BUNCOMBE	1610	9.78	7964	9.81	8.08
12 BURKE	654	7.47	2651	7.25	7.66
13 CABARRUS	817	9.04	3916	8.94	8.42
14 CALDWELL	499	7.35	2408	7.11	7.78
15 CAMDEN	51	8.70	272	9.42	8.55
16 CARTERET	443	9.72	1930	8.98	8.38
17 CASWELL	198	9.11	877	8.33	7.95
18 CATAWBA	872	7.97	4013	7.52	8.16
19 CHATHAM	320	9.27	1467	8.62	7.59
20 CHEROKEE	184	9.35	861	8.98	6.36
21 CHOWAN	146	11.46	707	11.18	8.35
22 CLAY	76	10.82	342	10.04	7.88
23 CLEVELAND	753	8.99	3635	8.71	8.42
24 COLUMBUS	521	10.11	2476	9.62	9.26
25 CRAVEN	497	6.65	2506	6.91	8.59
26 CUMBERLAND	1352	5.39	6328	5.07	8.97
27 CURRITUCK	118	9.37	497	8.55	8.15
28 DARE	122	7.95	564	7.93	6.80
29 DAVIDSON	859	7.41	4182	7.35	7.77
30 DAVIE	192	7.22	918	7.09	7.05
31 DUPLIN	424	10.30	2001	9.76	8.92
32 DURHAM	1240	7.87	6393	8.27	8.21
33 EDGECOMBE	525	9.15	2624	9.29	9.08
34 FORSYTH	2082	8.25	10135	8.20	7.99
35 FRANKLIN	299	9.57	1555	10.20	8.43
36 GASTON	1367	8.17	6664	8.12	8.60
37 GATES	97	10.71	434	9.70	7.36
38 GRAHAM	52	7.31	282	7.92	7.85
39 GRANVILLE	338	9.41	1684	9.70	8.81
40 GREENE	138	8.37	652	8.10	8.66
41 GUILFORD	2697	8.34	12844	8.06	8.05

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
TOTAL DEATHS (PER 1000 POPULATION) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	616	11.06	2977	10.72	9.01
43 HARNETT	551	8.94	2692	8.89	9.31
44 HAYWOOD	460	9.79	2187	9.35	7.52
45 HENDERSON	643	10.16	3085	10.22	7.87
46 HERTFORD	253	10.65	1116	9.47	7.88
47 HOKE	171	7.80	696	6.61	7.67
48 HYDE	73	12.28	325	10.91	8.64
49 IREDELL	771	9.07	3578	8.55	7.99
50 JACKSON	214	7.96	966	7.36	7.21
51 JOHNSTON	660	9.02	3445	9.61	9.46
52 JONES	84	8.59	411	8.46	8.02
53 LEE	359	9.33	1740	9.36	9.48
54 LENOIR	559	9.23	2890	9.64	9.36
55 LINCOLN	337	7.72	1621	7.59	8.05
56 MCDOWELL	291	8.06	1395	7.85	7.18
57 MACON	235	10.53	1088	10.30	7.32
58 MADISON	142	8.37	811	9.52	6.91
59 MARTIN	243	9.25	1240	9.48	8.46
60 MECKLENBURG	2958	6.96	14519	7.06	7.93
61 MITCHELL	156	10.92	758	10.52	7.03
62 MONTGOMERY	216	9.29	1110	9.81	8.60
63 MOORE	570	10.77	2695	10.52	8.26
64 NASH	682	9.83	3216	9.42	9.22
65 NEW HANOVER	895	8.22	4431	8.40	8.58
66 NORTHAMPTON	245	10.84	1252	11.07	8.46
67 ONSLOW	460	3.88	2241	3.91	8.06
68 ORANGE	442	5.54	2233	5.73	7.42
69 PAMLICO	115	10.83	527	10.09	8.17
70 PASQUOTANK	269	9.39	1326	9.32	8.24
71 PENDER	225	9.64	1035	9.18	8.21
72 PERQUIMANS	95	9.78	472	9.85	6.83
73 PERSON	266	8.89	1297	8.81	8.02
74 PITT	739	7.83	3561	7.75	8.93
75 POLK	164	11.58	852	12.73	8.24
76 RANDOLPH	787	8.30	3377	7.29	7.99
77 RICHMOND	445	9.86	2196	9.67	8.89
78 ROBESON	923	8.82	4313	8.39	9.03
79 ROCKINGHAM	801	9.43	3847	9.14	8.61
80 ROWAN	947	9.34	4707	9.41	7.80
81 RUTHERFORD	543	9.74	2601	9.55	8.05
82 SAMPSON	502	10.02	2407	9.68	8.70
83 SCOTLAND	279	8.36	1361	8.31	9.23
84 STANLY	452	9.22	2181	9.01	8.31
85 STOKES	271	7.87	1252	7.42	7.91
86 SURRY	539	9.01	2714	9.09	8.01
87 SWAIN	140	13.11	591	11.32	8.91
88 TRANSYLVANIA	171	6.97	887	7.42	6.39
89 TYRRELL	35	8.55	225	10.98	8.92
90 UNION	501	6.67	2433	6.77	7.68
91 VANCE	354	9.42	1910	10.33	9.05
92 WAKE	1975	6.07	9493	6.14	7.83
93 WARREN	175	10.86	947	11.61	8.31
94 WASHINGTON	122	8.37	682	9.29	9.29
95 WATAUGA	233	6.92	1003	6.16	6.59
96 WAYNE	793	8.09	3962	8.12	9.15
97 WILKES	489	8.16	2357	7.94	8.01
98 WILSON	648	10.07	3014	9.51	9.52
99 YADKIN	269	9.21	1190	8.25	7.47
100 YANCEY	117	7.67	630	8.36	5.79

* SEE SECTION I

GENERAL MORTALITY

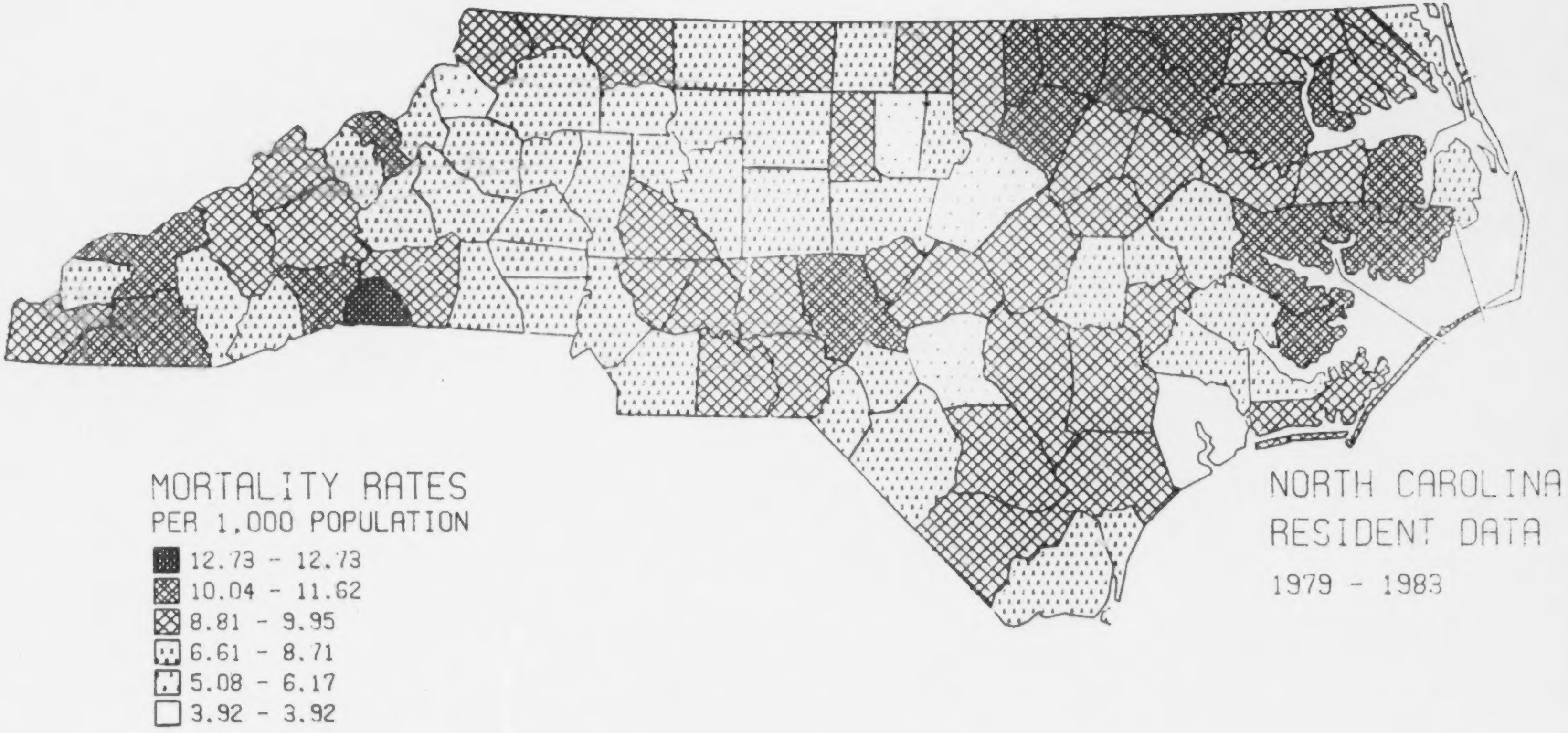

MORTALITY RATES
PER 1,000 POPULATION
12.73 - 12.73
10.04 - 11.62
8.81 - 9.95
6.61 - 8.71
5.08 - 6.17
3.92 - 3.92
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 2.A

GENERAL MORTALITY

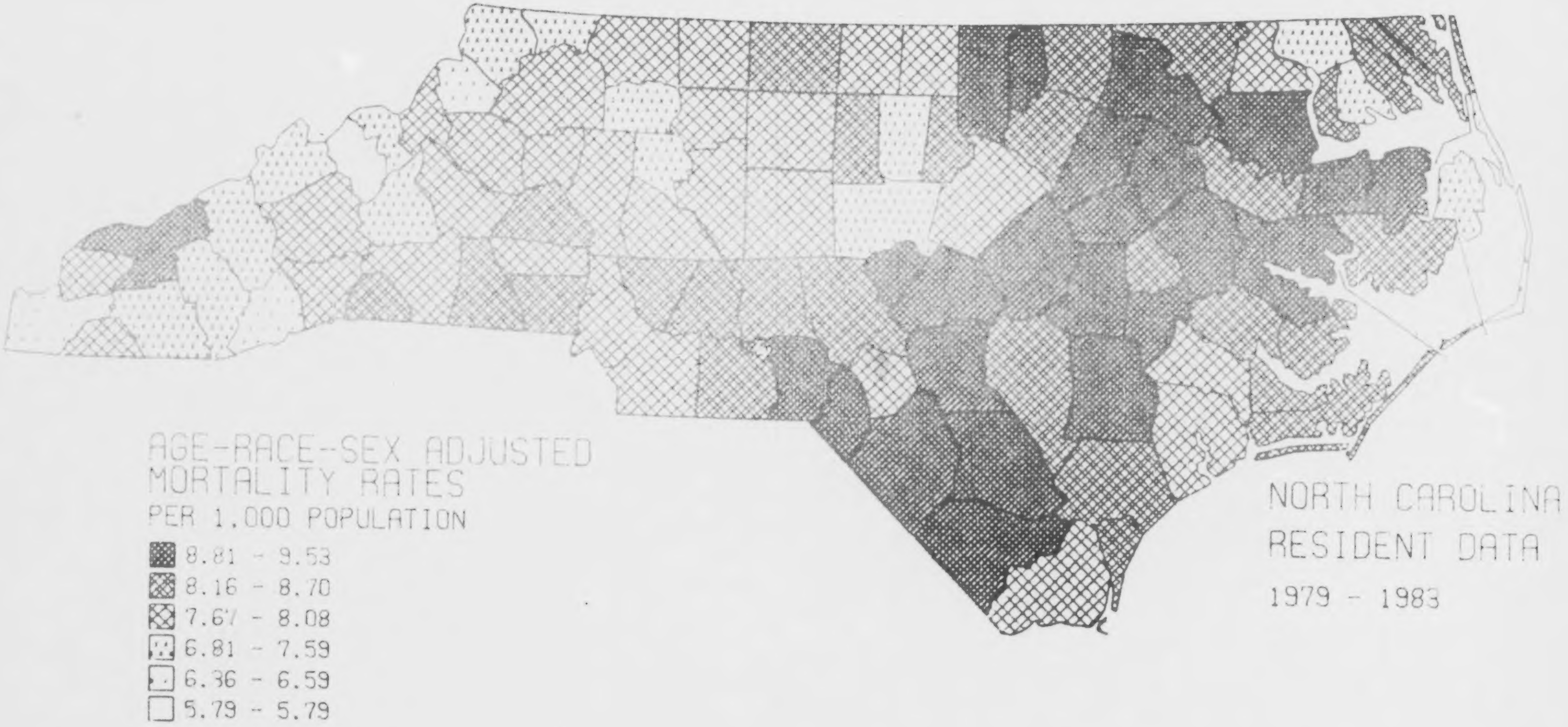

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 1,000 POPULATION
8.81 - 9.53
8.16 - 8.70
7.67 - 8.08
6.81 - 7.59
6.36 - 6.59
5.79 - 5.79
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 2.B

TABLE 3

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

DISEASES OF HEART

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	18813	304.33	89849	301.79	301.79
REGIONS					
DHR I WESTERN	6771	324.94	32057	314.55	294.07
DHR II N. CENTRAL	4133	319.26	19749	310.30	296.03
DHR III S. CENTRAL	3755	266.65	18312	266.26	311.89
DHR IV EASTERN	4154	320.71	19731	311.29	323.65
HSA I WESTERN	3684	351.73	17363	337.46	288.49
HSA II PIEDMONT	3563	311.49	16894	300.33	292.41
HSA III S. PIEDMONT	3087	297.87	14694	291.19	298.70
HSA IV CAPITAL	2292	266.85	11676	280.68	304.65
HSA V CARDINAL	2740	296.27	12995	286.05	325.04
HSA VI EASTERN	3447	322.01	16227	308.94	325.08
COUNTIES					
1 ALAMANCE	343	338.64	1726	345.46	306.43
2 ALEXANDER	84	322.44	327	256.70	285.59
3 ALLEGHANY	24	244.22	159	326.84	242.44
4 ANSON	102	390.50	496	386.31	315.06
5 ASHE	106	460.12	462	409.23	314.54
6 AVERY	51	344.71	265	361.94	339.46
7 BEAUFORT	157	373.48	776	376.63	323.40
8 BERTIE	90	421.92	431	406.49	341.60
9 BLADEN	110	359.70	543	355.28	366.43
10 BRUNSWICK	114	277.03	594	314.79	299.23
11 BUNCOMBE	682	353.80	2965	365.30	282.87
12 BURKE	232	313.20	1027	281.16	290.37
13 CABARRUS	309	341.99	1507	344.24	309.84
14 CALDWELL	191	281.59	883	261.06	289.65
15 CAMDEN	18	307.11	100	346.41	302.52
16 CARTERET	179	392.94	804	374.29	340.48
17 CASWELL	69	317.69	340	323.19	317.21
18 CATAWBA	367	335.77	1552	291.20	303.17
19 CHATHAM	117	339.15	564	331.75	289.56
20 CHEROKEE	79	401.58	329	343.31	227.75
21 CHOWAN	56	431.74	212	335.52	247.75
22 CLAY	32	462.02	159	466.97	332.54
23 CLEVELAND	320	382.37	1588	380.71	362.03
24 COLUMBUS	221	429.03	938	364.50	354.42
25 CRAVEN	181	242.48	839	231.52	304.91
26 CUMBERLAND	445	177.60	2021	162.21	332.53
27 CURRITUCK	63	500.47	203	349.43	330.00
28 DARE	48	313.17	222	312.20	261.94
29 DAVIDSON	335	289.21	1599	281.36	291.85
30 DAVIE	68	255.86	334	258.11	251.19
31 DUPLIN	166	403.58	743	362.52	337.82
32 DURHAM	419	266.08	2267	293.33	296.78
33 EDGECOMBE	188	327.97	903	320.01	324.10
34 FORSYTH	792	313.86	3814	308.91	300.10
35 FRANKLIN	124	396.90	620	406.89	330.38
36 GASTON	602	360.08	2710	330.55	346.48
37 GATES	43	475.13	102	406.78	286.77
38 GRAHAM	21	295.60	103	289.39	291.03
39 GRANVILLE	125	348.18	636	366.46	344.64
40 GREENE	55	333.87	238	295.83	335.10
41 GUILFORD	958	296.52	4522	283.84	284.03

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
DISEASES OF HEART CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	236	423.73	1089	392.31	341.09
43 HARNETT	207	336.05	1062	350.94	370.84
44 HAYWOOD	188	400.38	887	379.45	298.70
45 HENDERSON	239	377.70	1167	386.70	250.22
46 HERTFORD	84	353.84	423	359.27	302.08
47 HOKE	59	269.44	223	211.83	261.81
48 HYDE	27	454.46	112	376.10	297.52
49 IREDELL	298	350.69	1355	324.01	295.65
50 JACKSON	81	301.40	373	284.31	261.41
51 JOHNSTON	248	339.14	1408	392.81	384.34
52 JONES	25	255.83	135	278.04	257.93
53 LEE	118	306.73	648	348.93	351.65
54 LENOIR	221	365.10	1051	350.85	350.90
55 LINCOLN	118	270.48	624	292.42	295.89
56 MCDOWELL	120	332.46	575	323.84	285.87
57 MACON	95	425.77	416	393.85	271.77
58 MADISON	48	283.11	309	362.90	222.80
59 MARTIN	91	346.42	465	355.53	323.38
60 MECKLENBURG	1029	242.20	4994	242.92	279.90
61 MITCHELL	58	406.13	280	388.87	224.31
62 MONTGOMERY	78	335.59	445	393.65	335.29
63 MOORE	204	385.51	973	379.98	285.91
64 NASH	265	382.34	1139	333.84	334.71
65 NEW HANOVER	292	268.33	1609	305.16	313.42
66 NORTHAMPTON	88	389.63	463	409.63	318.67
67 ONSLOW	136	114.89	701	122.61	298.91
68 ORANGE	153	192.06	722	185.58	245.90
69 PAMLICO	26	245.00	206	394.46	304.48
70 PASQUOTANK	95	331.68	490	344.47	302.09
71 PENDER	80	342.80	363	322.20	286.18
72 PERQUIMANS	34	350.37	158	329.78	227.56
73 PERSON	120	401.40	536	364.19	330.36
74 PITT	264	279.94	1280	278.70	340.17
75 POLK	71	501.48	327	488.76	279.74
76 RANDOLPH	281	296.60	1249	269.86	281.10
77 RICHMOND	184	407.95	843	371.46	340.78
78 ROBESON	332	317.41	1460	284.17	321.39
79 ROCKINGHAM	305	359.28	1402	333.31	310.62
80 ROWAN	369	364.11	1757	351.34	277.14
81 RUTHERFORD	237	425.42	1044	383.42	307.54
82 SAMPSON	194	387.58	933	375.44	339.37
83 SCOTLAND	118	353.97	492	300.65	351.60
84 STANLY	182	371.41	867	358.25	320.28
85 STOKES	103	299.19	441	261.36	281.78
86 SURRY	206	344.59	1036	347.22	293.48
87 SWAIN	58	543.47	226	433.21	311.47
88 TRANSYLVANIA	57	232.61	332	277.92	246.48
89 TYRRELL	17	415.74	95	463.77	394.25
90 UNION	180	239.96	880	245.08	280.54
91 VANCE	134	356.82	729	394.63	347.68
92 WAKE	667	205.25	3212	207.96	276.69
93 WARREN	67	415.99	334	409.78	311.60
94 WASHINGTON	46	315.82	276	376.01	394.93
95 WATAUGA	104	308.97	382	234.96	272.64
96 WAYNE	322	328.70	1508	309.34	365.66
97 WILKES	205	342.24	1024	345.33	338.48
98 WILSON	227	353.08	983	310.41	320.48
99 YADKIN	103	353.02	431	298.84	247.17
100 YANCEY	34	223.15	202	268.10	157.95

* SEE SECTION I

DISEASES OF THE HEART

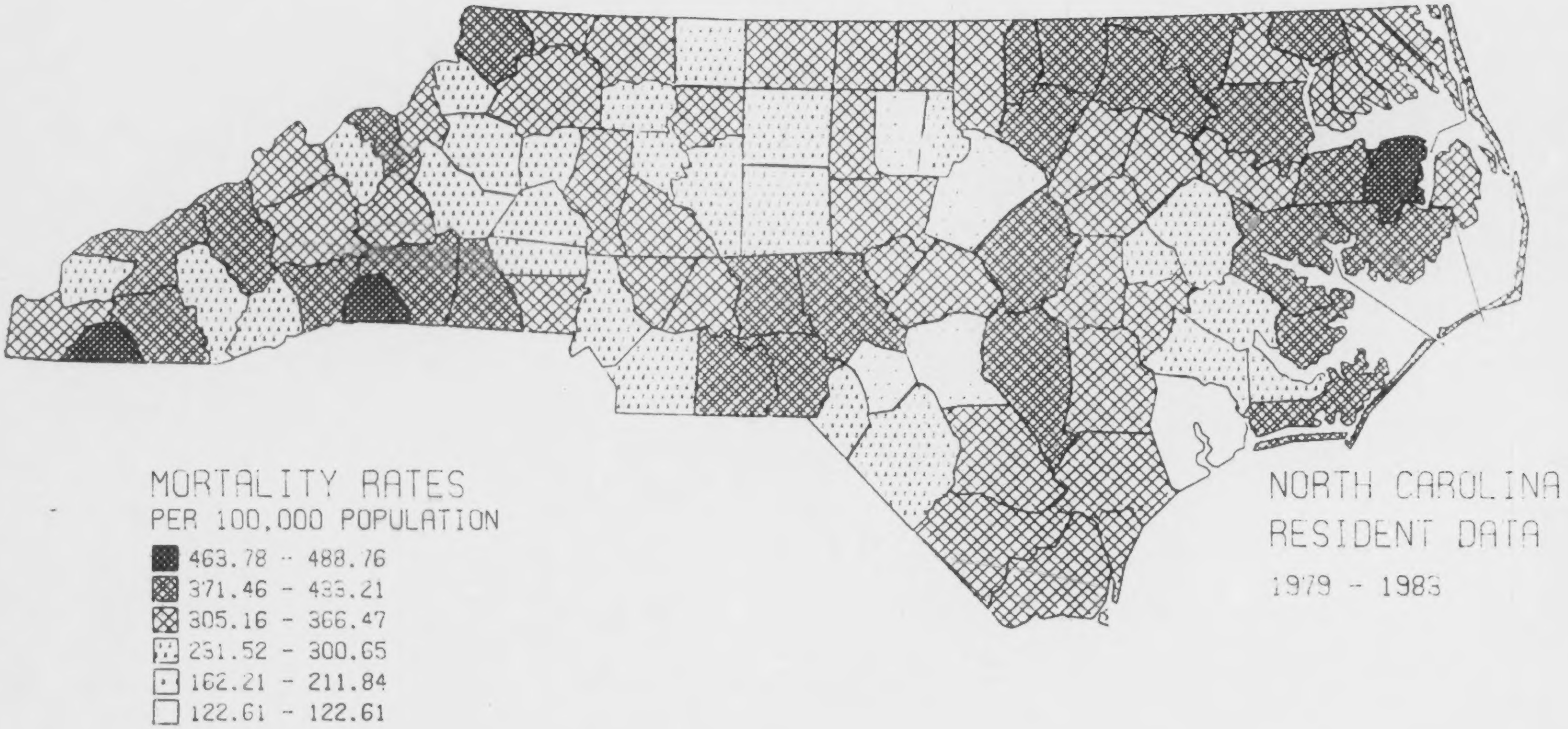

MORTALITY RATES
PER 100,000 POPULATION
463.78 - 488.76
371.46 - 433.21
305.16 - 366.47
231.52 - 300.65
162.21 - 211.84
122.61 - 122.61
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 3.A

DISEASES OF THE HEART

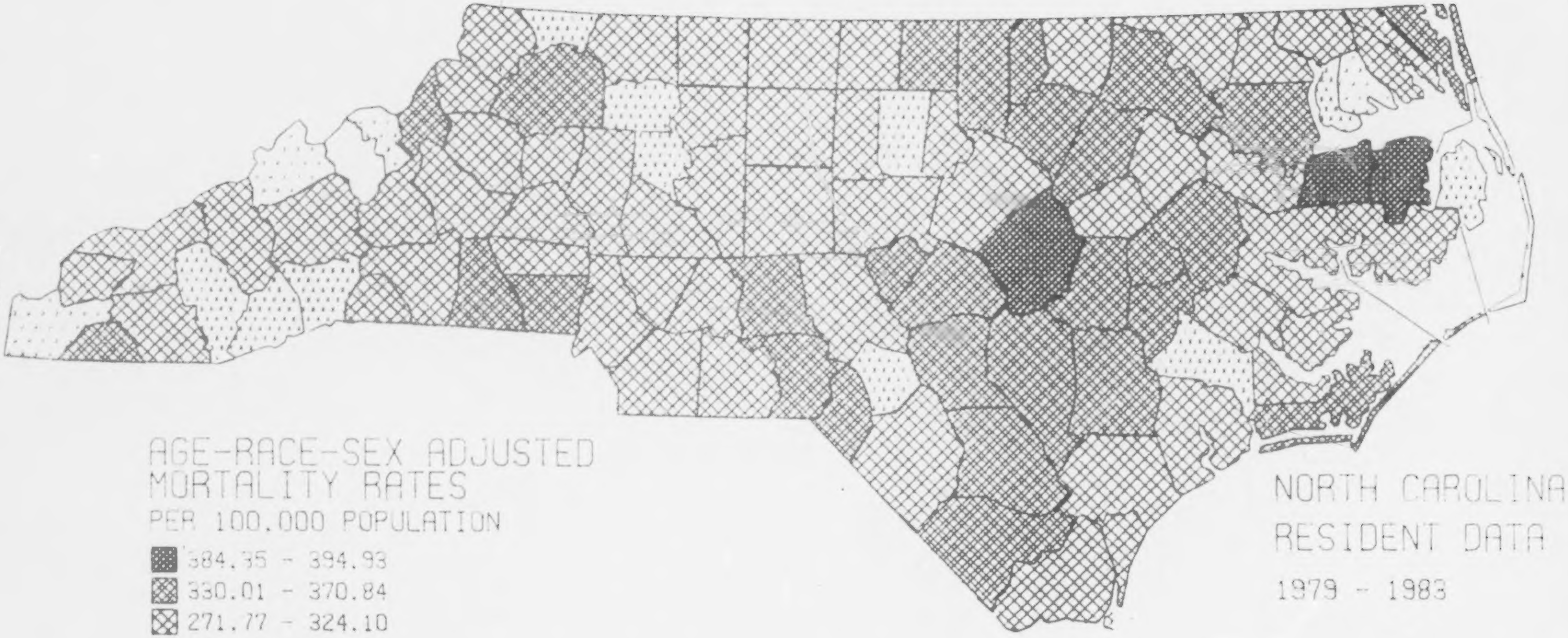

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
384.35 - 394.93
330.01 - 370.84
271.77 - 324.10
242.45 - 261.94
222.80 - 227.76
157.95 - 157.95
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 3.B

TABLE 4

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

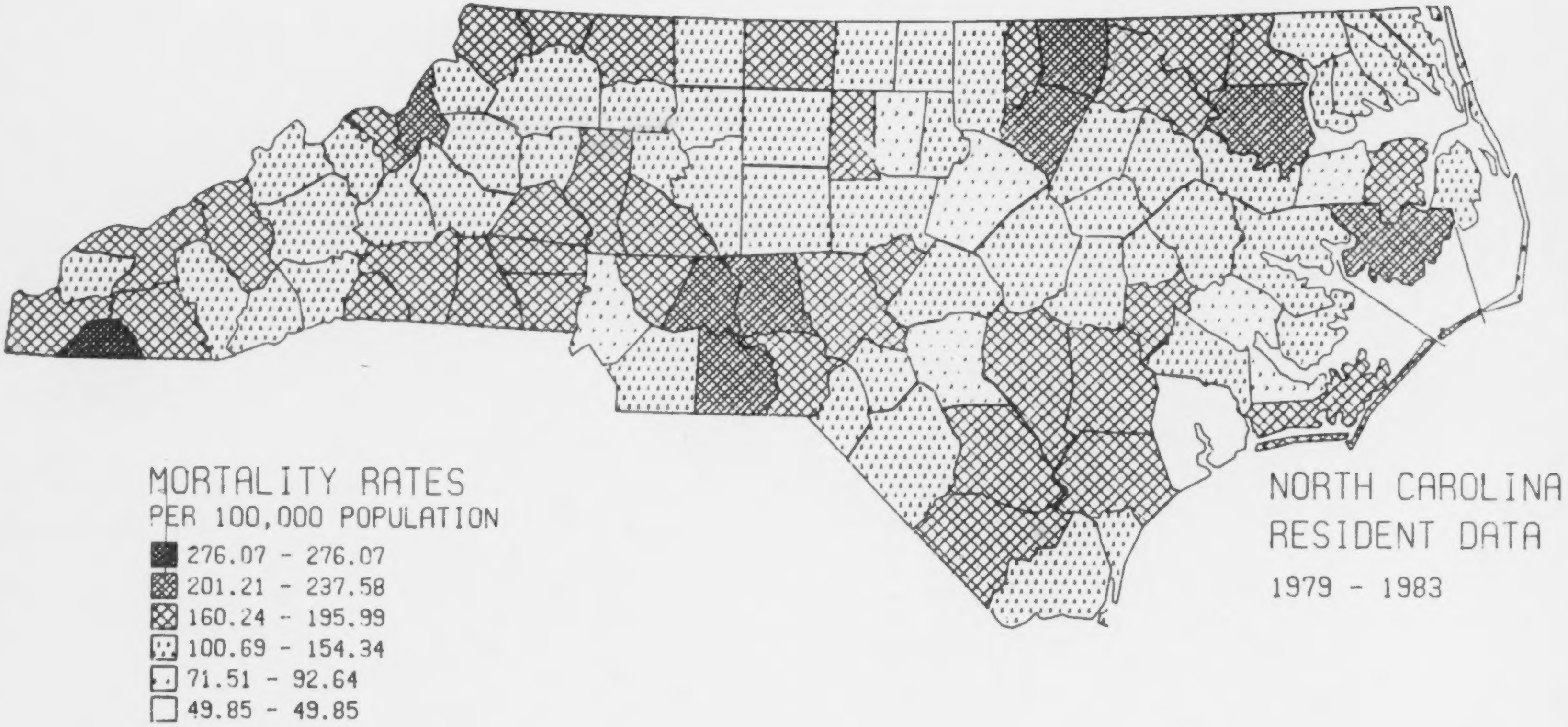
GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	8106	133.28	40278	135.29	135.29
REGIONS					
DHR I WESTERN	3007	144.31	14771	144.93	131.87
DHR II N. CENTRAL	1846	142.59	9099	142.96	135.91
DHR III S. CENTRAL	1524	108.22	7944	115.50	136.93
DHR IV EASTERN	1729	133.48	8464	133.53	141.75
HSA I WESTERN	1640	156.58	7893	153.40	129.46
HSA II PIEDMONT	1581	138.21	7765	138.04	132.32
HSA III S. PIEDMONT	1367	131.90	6878	136.30	136.76
HSA IV CAPITAL	878	102.22	4748	114.13	126.02
HSA V CARDINAL	1234	133.43	6197	136.41	156.22
HSA VI EASTERN	1406	131.34	6797	129.40	139.66
COUNTIES					
1 ALAMANCE	153	151.05	809	161.92	140.88
2 ALEXANDER	42	161.22	151	118.54	135.37
3 ALLEGHANY	11	111.93	87	178.83	106.37
4 ANSON	59	225.88	273	212.63	176.07
5 ASHE	39	169.29	204	180.70	160.07
6 AVERY	30	202.77	152	207.60	214.38
7 BEAUFORT	55	130.84	318	154.34	135.20
8 BERTIE	46	215.64	215	202.77	176.23
9 BLADEN	58	189.66	285	186.47	193.65
10 BRUNSWICK	47	114.21	278	147.32	136.00
11 BUNCOMBE	221	134.34	1182	145.63	114.23
12 BURKE	115	155.25	540	147.83	143.26
13 CABARRUS	169	187.04	858	195.99	173.76
14 CALDWELL	86	126.79	424	125.35	128.21
15 CAMDEN	4	68.24	31	107.38	95.83
16 CARTERET	65	142.68	363	168.99	148.81
17 CASWELL	30	138.12	142	134.98	143.41
18 CATAWBA	191	174.75	867	162.67	166.26
19 CHATHAM	50	144.94	262	154.11	138.96
20 CHEROKEE	44	223.66	174	181.57	119.71
21 CHOWAN	24	188.39	90	142.44	108.87
22 CLAY	16	231.01	94	276.07	226.57*
23 CLEVELAND	134	160.11	715	171.41	163.07
24 COLUMBUS	86	166.95	445	172.92	174.14
25 CRAVEN	63	84.39	318	87.75	114.18
26 CUMBERLAND	186	74.23	891	71.51	143.65
27 CURRITUCK	26	206.54	74	127.37	112.89
28 DARE	25	163.11	97	136.41	102.78
29 DAVIDSON	152	131.22	712	125.28	123.18
30 DAVIE	32	120.40	171	132.14	125.93
31 DUPLIN	73	177.48	395	192.72	182.74
32 DURHAM	135	85.73	903	116.84	123.55
33 EDGECOMBE	81	141.30	386	136.79	147.47
34 FORSYTH	339	134.34	1676	135.74	133.58
35 FRANKLIN	67	214.45	362	237.57	196.03
36 GASTON	292	174.66	1380	168.32	169.91
37 GATES	10	110.49	67	149.75	108.91
38 GRAHAM	8	112.61	49	137.67	130.18
39 GRANVILLE	53	147.63	264	152.11	148.22
40 GREENE	19	115.34	92	114.35	135.24
41 GUILFORD	402	124.43	1952	122.52	122.61

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	92	165.18	473	170.39	164.68
43 HARNETT	70	113.64	425	140.44	148.38
44 HAYWOOD	98	208.71	442	189.08	139.89
45 HENDERSON	91	143.81	460	152.42	93.99
46 HERTFORD	36	151.64	200	169.86	141.37
47 HOKE	24	109.60	106	100.69	130.82
48 HYDE	14	235.65	60	201.48	167.32
49 IREDELL	155	182.41	688	164.51	147.81
50 JACKSON	38	141.40	176	134.15	126.21
51 JOHNSTON	83	113.50	434	121.08	115.33
52 JONES	12	122.79	54	111.21	104.95
53 LEE	48	124.77	307	165.31	167.40
54 LENOIR	109	180.07	511	170.58	172.36
55 LINCOLN	63	144.40	349	163.55	161.33
56 MCDOWELL	51	141.29	269	151.50	134.19
57 MACON	51	228.57	202	191.24	131.18
58 MADISON	17	100.27	123	144.45	87.78
59 MARTIN	33	125.62	143	109.33	105.54
60 MECKLENBURG	306	72.02	1691	82.25	95.86
61 MITCHELL	27	189.06	125	173.60	103.58
62 MONTGOMERY	38	163.49	251	222.03	190.31
63 MOORE	90	170.08	481	187.84	143.12
64 NASH	127	183.23	519	152.11	153.10
65 NEW HANOVER	147	135.08	753	142.81	146.31
66 NORTHAMPTON	42	185.96	203	179.60	151.39
67 ONSLOW	49	41.39	285	49.84	118.18
68 ORANGE	54	67.78	279	71.71	95.98
69 PAMLICO	7	65.96	80	153.19	122.79
70 PASQUOTANK	37	129.18	190	133.57	122.86
71 PENDER	43	184.25	191	169.53	151.29
72 PERQUIMANS	14	144.27	67	139.84	105.30
73 PERSON	46	153.87	214	145.40	134.03
74 PITT	92	97.55	463	100.81	131.60
75 POLK	26	183.64	123	183.84	110.12
76 RANDOLPH	147	155.16	668	144.32	145.44
77 RICHMOND	102	226.14	436	192.12	175.45
78 ROBESON	145	138.63	695	135.27	158.64
79 ROCKINGHAM	150	176.69	674	160.24	146.72
80 ROWAN	177	174.65	912	182.37	143.15
81 RUTHERFORD	83	148.98	439	161.23	129.09
82 SAMPSON	81	161.82	445	179.06	165.43
83 SCOTLAND	58	173.98	242	147.88	171.52
84 STANLY	108	220.39	494	204.12	178.22
85 STOKES	45	130.71	228	135.12	149.17
86 SURRY	92	153.89	524	175.62	142.40
87 SWAIN	24	224.88	98	187.85	145.33
88 TRANSYLVANIA	23	93.86	154	128.91	120.11
89 TYRRELL	6	146.73	40	195.27	167.81
90 UNION	97	129.31	506	140.92	160.08
91 VANCE	65	173.08	330	178.64	157.77
92 WAKE	243	74.77	1229	79.57	105.94
93 WARREN	34	211.10	164	201.20	169.89
94 WASHINGTON	13	89.25	68	92.64	97.35
95 WATAUGA	46	136.66	207	127.32	144.53
96 WAYNE	129	131.68	593	121.64	148.32
97 WILKES	109	181.97	338	113.98	109.94
98 WILSON	103	160.21	402	126.94	136.80
99 YADKIN	39	133.67	209	144.91	114.43
100 YANCEY	19	124.70	98	130.07	78.31

* SEE SECTION I


MORTALITY RATES
PER 100,000 POPULATION
276.07 - 276.07
201.21 - 237.58
160.24 - 195.99
100.69 - 154.34
71.51 - 92.64
49.85 - 49.85
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

ACUTE MYOCARDIAL INFARCTION

FIGURE 4.A

ACUTE MYOCARDIAL INFARCTION

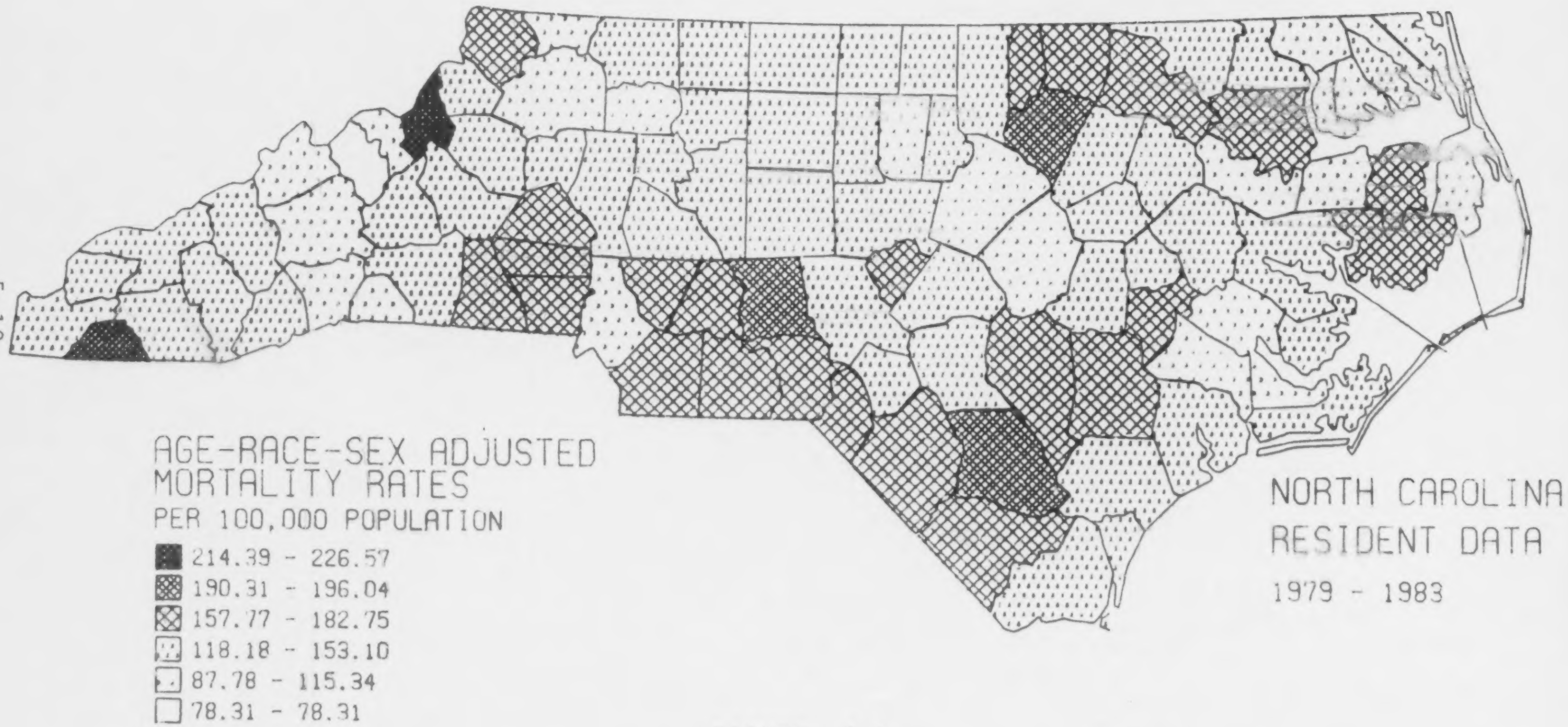

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 214.39 - 226.57
▩ 190.31 - 196.04
▨ 157.77 - 182.75
⬚ 118.18 - 153.10
⬚ 87.78 - 115.34
☐ 78.31 - 78.31
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 4.B

TABLE 5

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

OTHER FORMS OF ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	4966	81.65	24157	81.14	81.14
REGIONS					
DHR I WESTERN	1708	81.96	8436	82.77	76.66
DHR II N. CENTRAL	1095	84.58	5176	81.32	77.32
DHR III S. CENTRAL	1085	77.05	5236	76.13	90.94
DHR IV EASTERN	1078	83.22	5309	83.75	87.62
HSA I WESTERN	904	86.31	4582	89.05	72.60
HSA II PIEDMONT	1015	88.73	4718	83.87	81.46
HSA III S. PIEDMONT	804	77.58	3854	76.37	78.78
HSA IV CAPITAL	608	70.78	3194	76.78	84.23
HSA V CARDINAL	733	79.25	3343	73.58	85.74
HSA VI EASTERN	902	84.26	4466	85.02	90.23
COUNTIES					
1 ALAMANCE	118	116.50	599	119.89	108.37
2 ALEXANDER	18	69.09	89	69.86	73.03
3 ALLEGHANY	6	61.05	26	53.44	28.40
4 ANSON	18	68.91	105	81.78	64.22
5 ASHE	33	143.24	112	99.20	55.79
6 AVERY	10	67.59	47	64.19	52.28
7 BEAUFORT	45	107.05	180	87.36	77.29
8 BERTIE	9	42.19	59	55.64	54.84
9 BLADEN	26	85.02	106	69.35	73.76
10 BRUNSWICK	33	80.19	152	80.55	77.20
11 BUNCOMBE	171	103.95	937	115.44	82.33
12 BURKE	63	85.05	274	75.01	82.62
13 CABARRUS	49	54.23	266	60.76	55.07
14 CALDWELL	49	72.24	244	72.14	82.38
15 CAMDEN	9	153.55	41	142.03	122.14
16 CARTERET	36	79.02	129	60.05	55.56
17 CASWELL	17	78.27	104	98.85	98.73
18 CATAWBA	78	71.36	323	60.60	64.45
19 CHATHAM	32	92.76	142	83.52	71.19
20 CHEROKEE	10	50.83	57	59.48	34.89
21 CHOWAN	18	141.29	64	101.29	77.00
22 CLAY	5	72.19	20	58.73	32.83
23 CLEVELAND	49	58.55	238	57.05	52.63
24 COLUMBUS	70	135.89	267	103.75	95.15
25 CRAVEN	42	56.26	223	61.53	85.00
26 CUMBERLAND	113	45.10	534	42.86	98.01
27 CURRITUCK	20	158.88	76	130.82	125.36
28 DARE	7	45.67	53	74.53	72.29
29 DAVIDSON	87	75.10	450	79.18	81.74
30 DAVIE	22	82.77	102	78.82	73.74
31 DUPLIN	45	109.40	176	85.87	81.92
32 DURHAM	128	81.28	657	85.01	85.46
33 EDGECOMBE	55	95.95	259	91.78	92.81
34 FORSYTH	221	87.57	1019	82.53	79.74
35 FRANKLIN	19	60.81	93	61.03	52.43
36 GASTON	148	88.52	652	79.52	84.91
37 GATES	9	99.44	46	102.81	78.43
38 GRAHAM	3	42.22	16	44.95	47.42
39 GRANVILLE	19	52.92	118	67.99	62.93
40 GREENE	18	109.26	75	93.22	109.17
41 GUILFORD	276	85.42	1363	85.55	85.63

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
OTHER FORMS OF ISCHEMIC HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	78	140.04	337	121.40	97.15
43 HARNETT	76	123.38	354	116.98	123.68
44 HAYWOOD	40	85.18	236	100.96	74.98
45 HENDERSON	83	131.16	429	142.15	90.24
46 HERTFORD	13	54.76	70	59.45	56.09
47 HOKE	15	68.50	49	46.54	61.06
48 HYDE	2	33.66	18	60.44	44.72
49 IREDELL	81	95.32	374	89.43	80.85
50 JACKSON	18	66.97	88	67.07	55.54
51 JOHNSTON	85	116.23	557	155.39	151.13
52 JONES	6	61.39	46	94.73	94.88
53 LEE	35	90.97	169	91.00	90.63
54 LENOIR	52	85.90	267	89.13	93.74
55 LINCOLN	22	50.42	121	56.70	52.54
56 MCDOWELL	43	119.13	188	105.88	94.56
57 MACON	15	67.22	106	100.35	79.10
58 MADISON	13	76.67	75	88.08	52.02
59 MARTIN	24	91.36	130	99.39	88.87
60 MECKLENBURG	354	83.32	1700	82.69	95.15
61 MITCHELL	12	84.02	59	81.94	45.39
62 MONTGOMERY	20	86.05	100	88.46	72.96
63 MOORE	47	88.82	250	97.63	71.46
64 NASH	62	89.45	290	84.99	89.15
65 NEW HANOVER	53	48.70	336	63.72	66.31
66 NORTHAMPTON	19	84.12	135	119.44	93.28
67 ONSLOW	56	47.30	252	44.07	109.25
68 ORANGE	44	55.23	195	50.12	66.32
69 PAMLICO	13	122.50	66	126.38	96.58
70 PASQUOTANK	31	108.23	158	111.07	100.72
71 PENDER	20	85.70	88	78.11	74.73
72 PERQUIMANS	8	82.44	40	83.48	54.06
73 PERSON	14	46.83	57	38.72	36.90
74 PITT	70	74.22	383	83.39	100.56
75 POLK	22	155.38	111	165.90	87.27
76 RANDOLPH	78	82.33	305	65.89	68.45
77 RICHMOND	46	101.98	254	111.92	104.52
78 ROBESON	107	102.30	439	85.44	104.31
79 ROCKINGHAM	76	89.52	326	77.50	71.99
80 ROWAN	81	79.92	393	78.58	60.61
81 RUTHERFORD	64	114.88	256	94.02	73.03
82 SAMPSON	64	127.86	219	88.12	79.61
83 SCOTLAND	25	74.99	90	54.99	71.02
84 STANLY	37	75.50	196	80.98	71.38
85 STOKES	33	95.85	111	65.78	74.43
86 SURRY	60	100.36	243	81.44	63.47
87 SWAIN	10	93.70	41	78.59	52.27
88 TRANSYLVANIA	13	53.05	62	51.90	34.86
89 TYRRELL	2	48.91	24	117.16	105.78
90 UNION	32	42.66	152	42.33	47.85
91 VANCE	17	45.26	113	61.17	54.50
92 WAKE	204	62.77	1016	65.78	89.74
93 WARREN	11	68.29	77	94.47	68.79
94 WASHINGTON	13	89.25	85	115.80	132.00
95 WATAUGA	21	62.38	62	38.13	61.01
96 WAYNE	92	93.91	476	97.64	111.14
97 WILKES	48	80.13	434	146.36	146.23
98 WILSON	48	74.66	308	97.26	98.94
99 YADKIN	27	92.54	96	66.56	58.20
100 YANCEY	7	45.94	52	69.01	39.83

* SEE SECTION I

OTHER ISCHEMIC HEART DISEASE

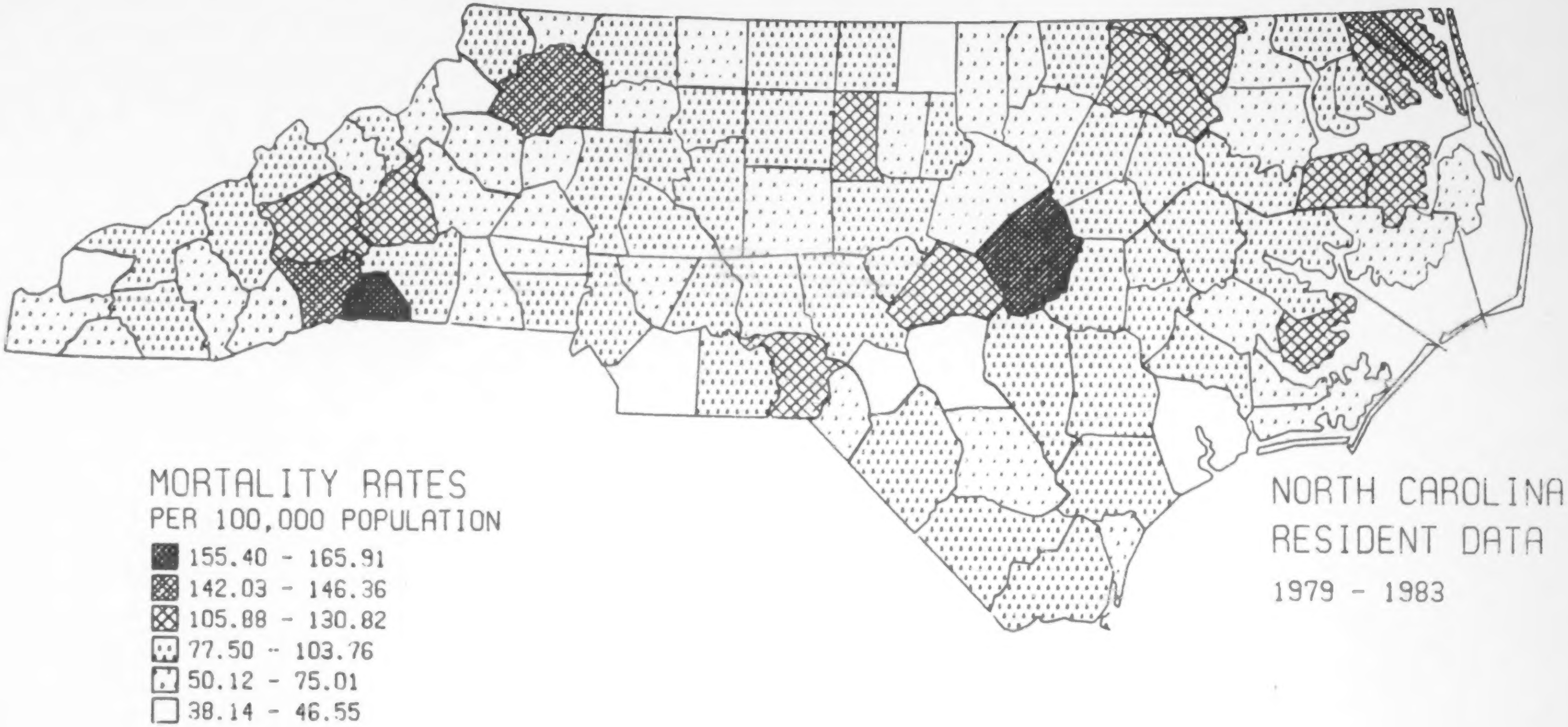

MORTALITY RATES
PER 100,000 POPULATION
155.40 - 165.91
142.03 - 146.36
105.88 - 130.82
77.50 - 103.76
50.12 - 75.01
38.14 - 46.55
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 5.A

OTHER ISCHEMIC HEART DISEASE

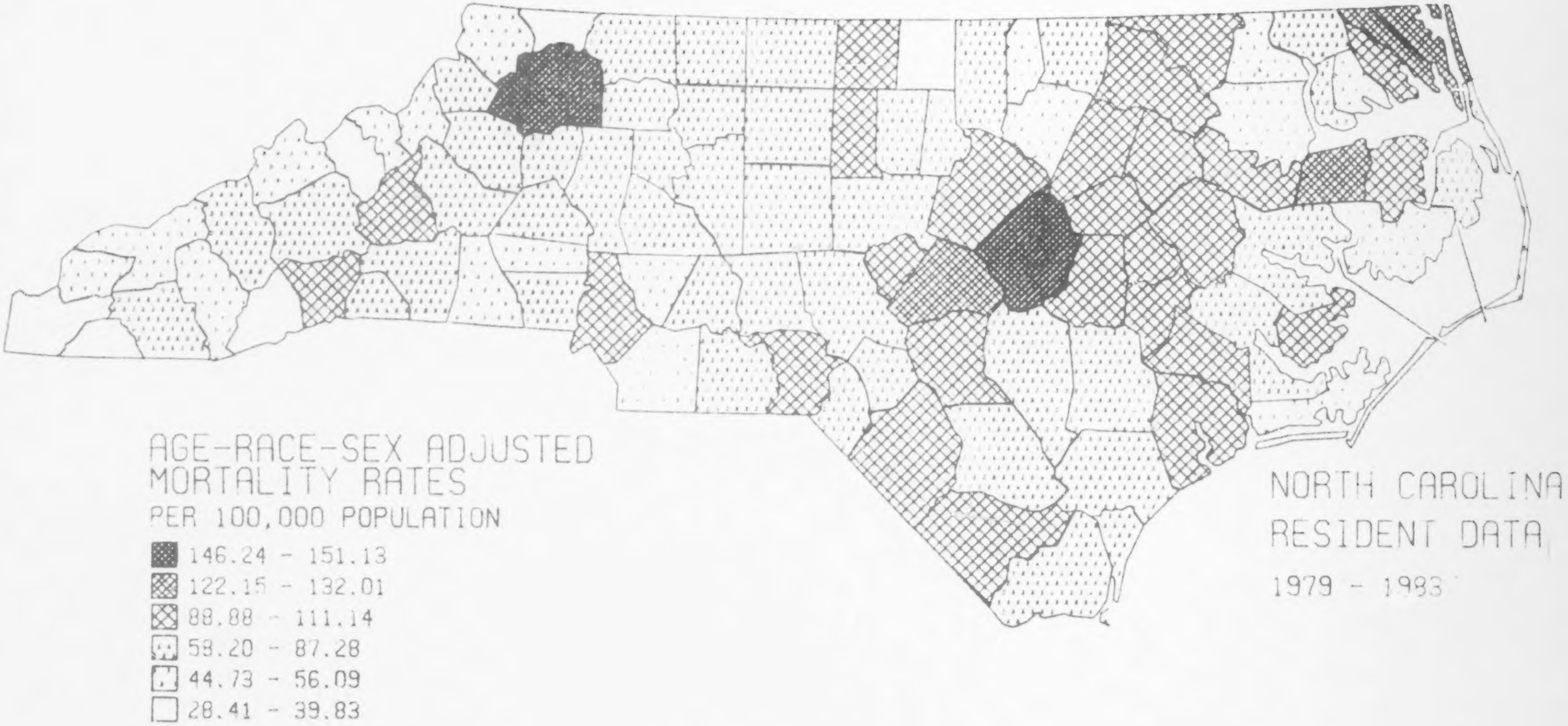

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
146.24 - 151.13
122.15 - 132.01
88.88 - 111.14
58.20 - 87.28
44.73 - 56.09
28.41 - 39.83
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 5.B

TABLE 6

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

HYPERTENSION WITH OR WITHOUT RENAL DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	246	4.04	1206	4.05	4.05
REGIONS					
DHR I WESTERN	65	3.11	365	3.58	4.06
DHR II N. CENTRAL	60	4.63	263	4.13	4.04
DHR III S. CENTRAL	56	3.97	287	4.17	4.32
DHR IV EASTERN	65	5.01	291	4.59	4.01
HSA I WESTERN	26	2.48	163	3.16	3.36
HSA II PIEDMONT	52	4.54	213	3.78	3.95
HSA III S. PIEDMONT	39	3.76	202	4.00	4.53
HSA IV CAPITAL	30	3.49	171	4.11	4.01
HSA V CARDINAL	43	4.64	209	4.60	4.49
HSA VI EASTERN	56	5.23	248	4.72	4.14
COUNTIES					
1 ALAMANCE	6	5.92	20	4.00	3.60
2 ALEXANDER	2	7.67	7	5.49	8.63*
3 ALLEGHANY	0	0.00	1	2.05	1.46
4 ANSON	3	11.48	17	13.24	8.93
5 ASHE	0	0.00	2	1.77	1.02
6 AVERY	0	0.00	1	1.36	0.92
7 BEAUFORT	3	7.13	16	7.76	5.95
8 BERTIE	1	4.68	6	5.65	4.69
9 BLADEN	2	6.54	6	3.92	2.98
10 BRUNSWICK	1	2.43	6	3.17	3.19
11 BUNCOMBE	9	5.47	38	4.68	3.81
12 BURKE	0	0.00	11	3.01	3.13
13 CABARRUS	1	1.10	16	3.65	3.63
14 CALDWELL	1	1.47	8	2.36	2.16
15 CAMDEN	0	0.00	1	3.46	5.22
16 CARTERET	0	0.00	6	2.79	2.95
17 CASWELL	2	9.20	4	3.80	2.12
18 CATAWBA	5	4.57	14	2.62	3.84
19 CHATHAM	0	0.00	10	5.88	4.87
20 CHEROKEE	0	0.00	3	3.13	1.64
21 CHOWAN	4	31.39	9	14.24	11.35
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	1	1.19	10	2.39	2.26
24 COLUMBUS	3	5.82	14	5.44	4.14
25 CRAVEN	1	1.33	11	3.03	3.64
26 CUMBERLAND	8	3.19	51	4.09	7.66
27 CURRITUCK	0	0.00	1	1.72	1.61
28 DARE	0	0.00	2	2.81	2.34
29 DAVIDSON	4	3.45	17	2.99	3.47
30 DAVIE	0	0.00	3	2.31	2.64
31 DUPLIN	1	2.43	5	2.43	1.67
32 DURHAM	7	4.44	28	3.62	3.33
33 EDGECOMBE	3	5.23	14	4.96	2.95
34 FORSYTH	13	5.15	60	4.85	4.66
35 FRANKLIN	0	0.00	9	5.90	4.46
36 GASTON	6	3.58	26	3.17	3.90
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	2.80	2.10
39 GRANVILLE	1	2.78	9	5.18	3.63
40 GREENE	2	12.14	9	11.18	7.44
41 GUILFORD	14	4.33	60	3.76	3.81

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
HYPERTENSION WITH OR WITHOUT RENAL DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	2	3.59	12	4.32	3.58
43 HARNETT	4	6.49	12	3.96	4.19
44 HAYWOOD	0	0.00	7	2.99	1.78
45 HENDERSON	2	3.16	20	6.62	11.53
46 HERTFORD	2	8.42	4	3.39	1.13
47 HOKE	2	9.13	7	6.64	4.96
48 HYDE	1	16.83	2	6.71	3.06
49 IREDELL	2	2.35	17	4.06	4.95
50 JACKSON	0	0.00	6	4.57	5.72
51 JOHNSTON	3	4.10	19	5.30	5.41
52 JONES	0	0.00	1	2.05	1.00
53 LEE	4	10.39	18	9.69	10.15
54 LENOIR	4	6.60	20	6.67	6.00
55 LINCOLN	0	0.00	5	2.34	3.81
56 MCDOWELL	3	8.31	6	3.37	3.82
57 MACON	2	8.96	10	9.46	4.03
58 MADISON	0	0.00	1	1.17	0.54
59 MARTIN	2	7.61	10	7.64	4.65
60 MECKLENBURG	20	4.70	95	4.62	5.15
61 MITCHELL	0	0.00	1	1.38	0.77
62 MONTGOMERY	2	8.60	8	7.07	6.12
63 MOORE	4	7.55	14	5.46	4.31
64 NASH	1	1.44	11	3.22	3.00
65 NEW HANOVER	2	1.83	18	3.41	3.49
66 NORTHAMPTON	0	0.00	3	2.65	0.97
67 ONSLOW	2	1.68	7	1.22	2.95
68 ORANGE	2	2.51	17	4.36	5.55
69 PAMLICO	0	0.00	0	0.00	0.00
70 PASQUOTANK	0	0.00	4	2.81	2.06
71 PENDER	3	12.85	5	4.43	3.33
72 PERQUIMANS	3	30.91	5	10.43	5.17
73 PERSON	2	6.69	5	3.39	2.93
74 PITT	6	6.36	24	5.22	4.85
75 POLK	0	0.00	5	7.47	7.06
76 RANDOLPH	4	4.22	9	1.94	2.85
77 RICHMOND	1	2.21	10	4.40	3.80
78 ROBESON	6	5.73	27	5.25	4.25
79 ROCKINGHAM	2	2.35	17	4.04	3.97
80 ROWAN	9	8.88	28	5.59	5.13
81 RUTHERFORD	0	0.00	3	1.10	1.22
82 SAMPSON	1	1.99	5	2.01	1.63
83 SCOTLAND	1	2.99	9	5.49	3.90
84 STANLY	0	0.00	5	2.06	1.53
85 STOKES	4	11.61	7	4.14	6.11
86 SURRY	3	5.01	13	4.35	3.86
87 SWAIN	0	0.00	0	0.00	0.00
88 TRANSYLVANIA	0	0.00	0	0.00	0.00
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	1	1.33	10	2.78	3.67
91 VANCE	3	7.98	19	10.28	7.01
92 WAKE	6	1.84	29	1.87	2.32
93 WARREN	2	12.41	8	9.81	2.60
94 WASHINGTON	3	20.59	12	16.34	12.12
95 WATAUGA	0	0.00	3	1.84	1.48
96 WAYNE	9	9.18	35	7.17	6.49
97 WILKES	0	0.00	3	1.01	1.26
98 WILSON	6	9.33	18	5.68	4.72
99 YADKIN	0	0.00	3	2.08	3.08
100 YANCEY	1	6.56	2	2.65	1.45

* SEE SECTION I

TABLE 7

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	4543	74.69	23302	78.26	78.26
REGIONS					
DHR I WESTERN	1494	71.69	7693	75.48	72.19
DHR II N. CENTRAL	1031	79.64	5254	82.55	78.62
DHR III S. CENTRAL	990	70.30	4812	69.96	80.15
DHR IV EASTERN	1028	79.36	5543	87.45	87.23
HSA I WESTERN	741	70.74	3929	76.36	66.07
HSA II PIEDMONT	905	79.11	4567	81.19	79.01
HSA III S. PIEDMONT	753	72.66	3764	74.59	78.18
HSA IV CAPITAL	543	63.22	2819	67.76	71.43
HSA V CARDINAL	772	83.47	3688	81.18	90.11
HSA VI EASTERN	829	77.44	4535	86.34	86.20
COUNTIES					
1 ALAMANCE	92	90.83	423	84.66	76.83
2 ALEXANDER	19	72.93	80	62.80	69.18
3 ALLEGHANY	6	61.05	56	115.11	91.98
4 ANSON	36	137.82	145	112.93	81.91
5 ASHE	14	60.77	82	72.63	41.74
6 AVERY	7	47.31	35	47.80	49.85
7 BEAUFORT	34	80.88	235	114.05	97.14
8 BERTIE	16	75.00	95	89.59	65.50
9 BLADEN	36	117.72	212	138.70	136.28
10 BRUNSWICK	31	75.33	123	65.18	64.13
11 BUNCOMBE	138	83.89	731	90.06	69.99
12 BURKE	41	55.35	226	61.87	69.86
13 CABARRUS	85	94.07	441	100.73	96.00
14 CALDWELL	34	50.12	180	53.21	56.93
15 CAMDEN	8	136.49	32	110.85	108.23
16 CARTERET	27	59.27	100	46.55	48.95
17 CASWELL	24	110.50	109	103.61	92.29
18 CATAWBA	58	53.06	383	71.86	81.24
19 CHATHAM	36	104.35	169	99.40	84.92
20 CHEROKEE	14	71.16	56	58.43	55.65
21 CHOWAN	13	102.04	85	134.52	92.34
22 CLAY	6	86.63	17	49.92	27.63
23 CLEVELAND	54	64.52	287	68.80	65.28
24 COLUMBUS	62	120.36	307	119.30	116.14
25 CRAVEN	31	41.52	228	62.91	84.19
26 CUMBERLAND	127	50.68	607	48.72	102.86
27 CURRITUCK	4	31.77	28	48.19	47.04
28 DARE	13	84.81	54	75.94	66.53
29 DAVIDSON	63	54.38	364	64.05	72.23
30 DAVIE	20	75.25	83	64.14	66.79
31 DUPLIN	46	111.83	243	118.56	106.95
32 DURHAM	99	62.86	546	70.64	67.82
33 EDGECOMBE	65	113.39	325	115.17	98.87
34 FORSYTH	185	73.31	949	76.86	72.96
35 FRANKLIN	21	67.21	141	92.53	71.21
36 GASTON	117	69.98	551	67.20	74.52
37 GATES	8	88.39	51	113.98	79.34
38 GRAHAM	4	56.30	25	70.24	71.76
39 GRANVILLE	41	114.20	152	87.58	75.62
40 GREENE	12	72.84	66	82.03	91.84
41 GUILFORD	266	82.33	1331	83.54	81.39

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	67	120.29	330	118.88	92.58
43 HARNETT	47	76.30	219	72.37	77.53
44 HAYWOOD	57	121.39	236	100.96	75.66
45 HENDERSON	77	121.68	317	105.04	71.73
46 HERTFORD	19	80.03	82	69.64	51.06
47 HOKE	19	86.76	68	64.59	71.97
48 HYDE	7	117.82	40	134.32	86.75
49 IREDELL	99	116.50	394	94.21	87.78
50 JACKSON	11	40.93	68	51.83	45.14
51 JOHNSTON	44	60.17	259	72.25	71.85
52 JONES	12	122.79	58	119.45	103.80
53 LEE	36	93.57	161	86.69	88.35
54 LENOIR	56	92.51	362	120.84	113.75
55 LINCOLN	30	68.76	172	80.60	91.26
56 MCDOWELL	22	60.95	114	64.20	56.41
57 MACON	11	49.30	80	75.74	52.46
58 MADISON	13	76.67	73	85.73	69.41*
59 MARTIN	18	68.52	88	67.28	52.82
60 MECKLENBURG	256	60.25	1239	60.26	69.37
61 MITCHELL	12	84.02	76	105.55	59.52
62 MONTGOMERY	14	60.23	91	80.50	68.04
63 MOORE	62	117.16	303	118.33	88.22
64 NASH	72	103.88	394	115.48	111.09
65 NEW HANOVER	85	78.11	455	86.29	88.38
66 NORTHAMPTON	19	84.12	136	120.32	78.75
67 ONSLOW	34	28.72	147	25.71	65.14
68 ORANGE	34	42.68	160	41.12	53.61
69 PAMLICO	12	113.07	39	74.68	56.74
70 PASQUOTANK	25	87.28	125	87.87	71.62
71 PENDER	21	89.98	123	109.17	98.62
72 PERQUIMANS	15	154.57	61	127.32	78.48
73 PERSON	19	63.55	120	81.53	72.43
74 PITT	64	67.86	327	71.20	81.81
75 POLK	14	98.88	95	141.99	81.99
76 RANDOLPH	90	94.99	436	94.20	104.38
77 RICHMOND	47	104.20	235	103.55	92.91
78 ROBESON	123	117.59	477	92.84	97.76
79 ROCKINGHAM	89	104.84	419	99.61	94.17
80 ROWAN	77	75.98	477	95.38	76.20
81 RUTHERFORD	47	84.36	295	108.34	84.24
82 SAMPSON	34	67.92	185	74.44	63.77
83 SCOTLAND	28	83.99	138	84.32	98.32
84 STANLY	32	65.30	229	94.62	87.94
85 STOKES	18	52.28	113	66.97	62.25
86 SURRY	35	58.54	213	71.38	60.03
87 SWAIN	11	103.07	45	86.25	60.09
88 TRANSYLVANIA	15	61.21	75	62.78	53.96
89 TYRRELL	1	24.45	19	92.75	74.60
90 UNION	57	75.98	261	72.68	84.00
91 VANCE	33	87.87	176	95.27	70.52
92 WAKE	168	51.69	837	54.19	72.03
93 WARREN	12	74.50	98	120.23	64.72
94 WASHINGTON	10	68.65	57	77.65	84.09
95 WATAUGA	12	35.65	67	41.21	33.83
96 WAYNE	62	63.29	404	82.87	96.02
97 WILKES	35	58.43	165	55.64	56.52
98 WILSON	59	91.77	324	102.31	99.63
99 YADKIN	23	78.83	127	88.05	77.09
100 YANCEY	9	59.07	65	86.27	47.33

* SEE SECTION I

CEREBROVASCULAR DISEASES

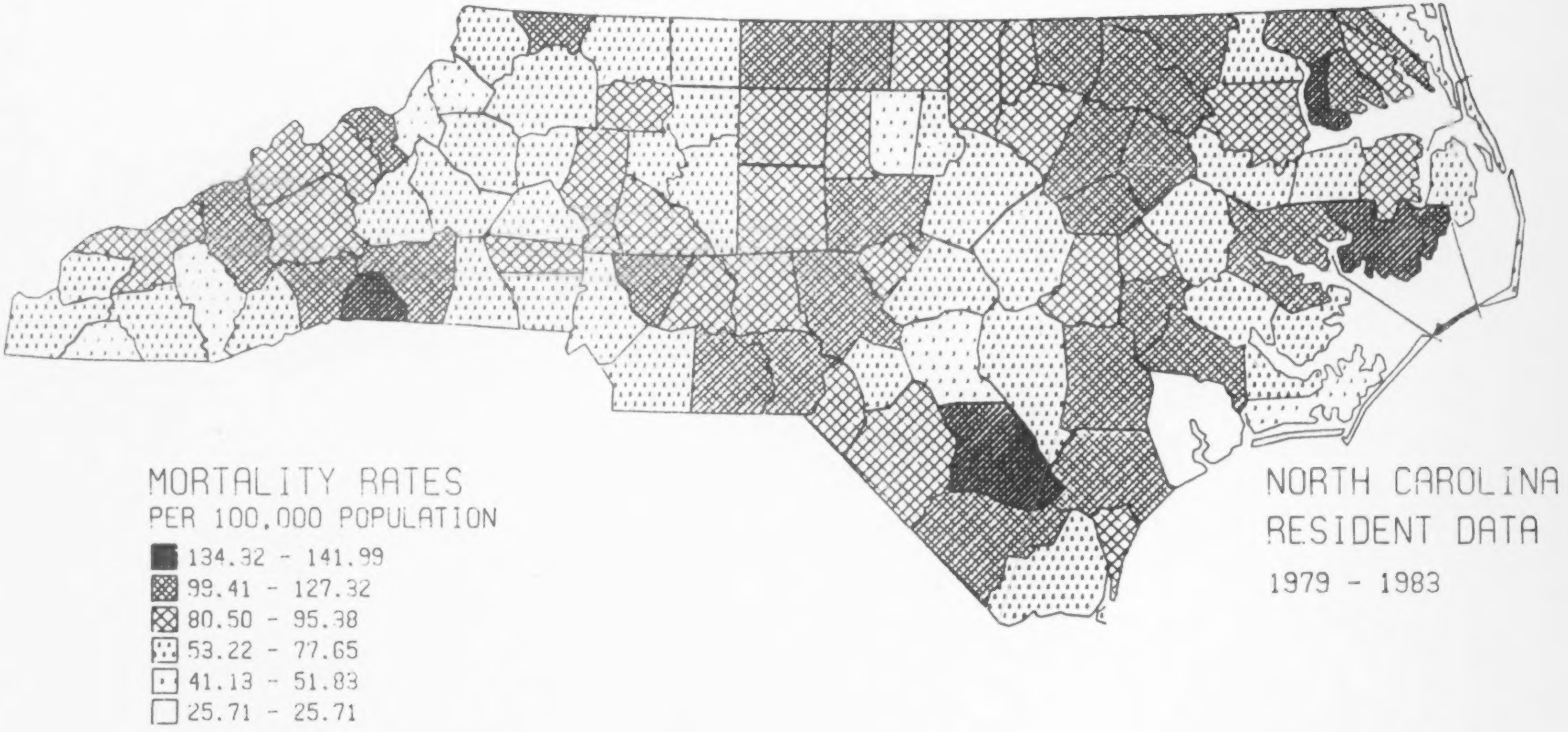

MORTALITY RATES
PER 100,000 POPULATION
■ 134.32 - 141.99
▩ 99.41 - 127.32
▨ 80.50 - 95.38
▦ 53.22 - 77.65
⊡ 41.13 - 51.83
□ 25.71 - 25.71
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 7.A

CEREBROVASCULAR DISEASES

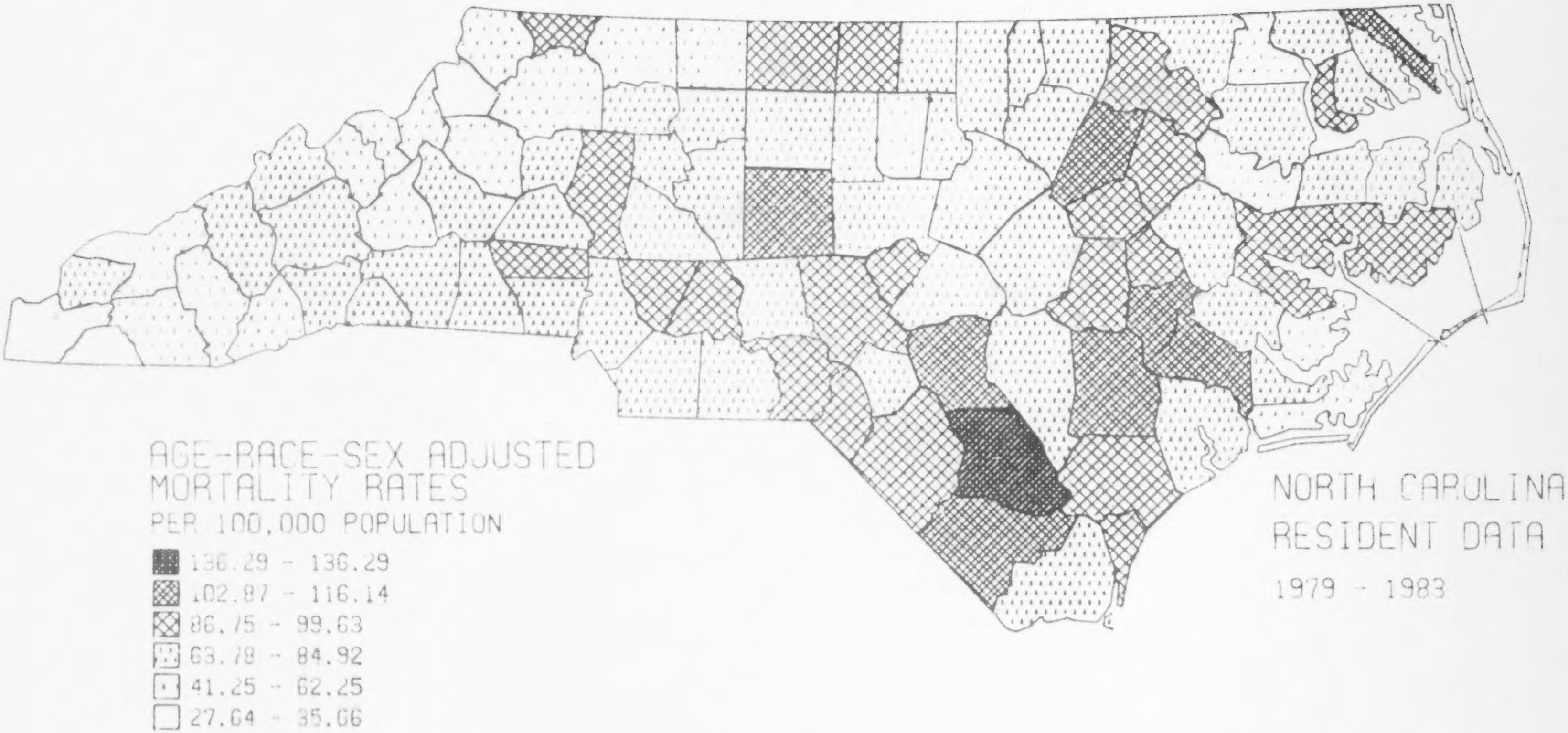

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 136.29 - 136.29
▩ 102.87 - 116.14
▨ 86.75 - 99.63
⠿ 63.78 - 84.92
⊡ 41.25 - 62.25
☐ 27.64 - 35.66
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 7.B

TABLE 8

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

ATHEROSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	570	9.37	2816	9.45	9.45
REGIONS					
DHR I WESTERN	178	8.54	956	9.38	8.58
DHR II N. CENTRAL	114	8.80	544	8.54	8.08
DHR III S. CENTRAL	152	10.79	686	9.97	11.74
DHR IV EASTERN	126	9.72	630	9.93	10.36
HSA I WESTERN	97	9.26	491	9.54	7.88
HSA II PIEDMONT	106	9.26	508	9.03	8.78
HSA III S. PIEDMONT	81	7.81	465	9.21	9.50
HSA IV CAPITAL	79	9.19	303	7.28	7.81
HSA V CARDINAL	113	12.21	567	12.48	14.53
HSA VI EASTERN	94	8.78	482	9.17	9.70
COUNTIES					
1 ALAMANCE	14	13.82	67	13.41	12.02
2 ALEXANDER	2	7.67	11	8.63	15.41*
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	6	22.97	15	11.68	6.82
5 ASHE	4	17.36	11	9.74	5.67
6 AVERY	0	0.00	1	1.36	1.40
7 BEAUFORT	4	9.51	20	9.70	8.54
8 BERTIE	0	0.00	7	6.60	5.64
9 BLADEN	0	0.00	9	5.88	5.12
10 BRUNSWICK	5	12.15	33	17.48	18.56
11 BUNCOMBE	21	12.76	109	13.42	9.05
12 BURKE	2	2.70	21	5.74	6.07
13 CABARRUS	4	4.42	21	4.79	4.45
14 CALDWELL	3	4.42	22	6.50	7.87
15 CAMDEN	2	34.12	5	17.32	18.24
16 CARTERET	4	8.78	13	6.05	4.55
17 CASWELL	1	4.60	12	11.40	9.48
18 CATAWBA	9	8.23	43	8.06	8.36
19 CHATHAM	1	2.89	8	4.70	3.52
20 CHEROKEE	1	5.08	12	12.52	12.03
21 CHOWAN	1	7.84	11	17.40	13.75
22 CLAY	0	0.00	3	8.81	4.16
23 CLEVELAND	9	10.75	51	12.22	11.13
24 COLUMBUS	5	9.70	37	14.37	13.16
25 CRAVEN	4	5.35	36	9.93	12.78
26 CUMBERLAND	13	5.18	76	6.10	15.65
27 CURRITUCK	3	23.83	5	8.60	7.58
28 DARE	1	6.52	2	2.81	2.06
29 DAVIDSON	9	7.76	33	5.80	5.87
30 DAVIE	1	3.76	9	6.95	8.27
31 DUPLIN	5	12.15	24	11.71	11.49
32 DURHAM	36	22.86	94	12.16	11.20
33 EDGECOMBE	6	10.46	44	15.59	17.80
34 FORSYTH	20	7.92	89	7.20	6.88
35 FRANKLIN	0	0.00	7	4.59	3.70
36 GASTON	12	7.17	59	7.19	8.20
37 GATES	2	22.09	4	8.94	6.26
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	4	11.14	8	4.60	5.17
40 GREENE	4	24.28	12	14.91	17.14
41 GUILFORD	29	8.97	151	9.47	9.26

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	8	14.36	43	15.49	12.25
43 HARNETT	4	6.49	13	4.29	4.39
44 HAYWOOD	4	8.51	18	7.70	4.30
45 HENDERSON	7	11.06	41	13.58	9.66
46 HERTFORD	0	0.00	8	6.79	4.99
47 HOKE	4	18.26	11	10.44	17.86
48 HYDE	0	0.00	2	6.71	3.79
49 IREDELL	14	16.47	62	14.82	13.76
50 JACKSON	3	11.16	15	11.43	8.41
51 JOHNSTON	3	4.10	22	6.13	6.10
52 JONES	1	10.23	4	8.23	7.15
53 LEE	8	20.79	27	14.53	14.67
54 LENOIR	8	13.21	23	7.67	8.57
55 LINCOLN	8	18.33	25	11.71	12.60
56 MCDOWELL	4	11.08	15	8.44	7.53
57 MACON	3	13.44	9	8.52	4.13
58 MADISON	2	11.79	9	10.56	12.27*
59 MARTIN	1	3.80	6	4.58	5.50
60 MECKLENBURG	23	5.41	123	5.98	7.06
61 MITCHELL	2	14.00	5	6.94	3.40
62 MONTGOMERY	1	4.30	10	8.84	6.97
63 MOORE	19	35.90	76	29.68	21.78
64 NASH	2	2.88	24	7.03	7.43
65 NEW HANOVER	18	16.54	66	12.51	12.97
66 NORTHAMPTON	3	13.28	16	14.15	11.95
67 ONSLOW	8	6.75	25	4.37	12.31
68 ORANGE	6	7.53	27	6.94	8.85
69 PAMLICO	0	0.00	4	7.65	5.99
70 PASQUOTANK	6	20.94	15	10.54	8.32
71 PENDER	4	17.14	12	10.65	10.77
72 PERQUIMANS	1	10.30	11	22.95	14.70
73 PERSON	1	3.34	10	6.79	6.31
74 PITT	4	4.24	39	8.49	9.16
75 POLK	2	14.12	13	19.43	11.57
76 RANDOLPH	9	9.49	21	4.53	6.01
77 RICHMOND	4	8.86	38	16.74	16.21
78 ROBESON	16	15.29	112	21.80	24.02
79 ROCKINGHAM	6	7.06	46	10.93	10.53
80 ROWAN	16	15.78	109	21.79	16.15
81 RUTHERFORD	8	14.36	31	11.38	8.59
82 SAMPSON	9	17.98	20	8.04	8.12
83 SCOTLAND	5	14.99	39	23.83	30.75
84 STANLY	2	4.08	24	9.91	9.64
85 STOKES	2	5.80	13	7.70	6.72
86 SURRY	12	20.07	53	17.76	14.98
87 SWAIN	2	18.74	7	13.41	9.69*
88 TRANSYLVANIA	2	8.16	12	10.04	6.80
89 TYRRELL	0	0.00	2	9.76	5.03
90 UNION	2	2.66	42	11.69	14.14
91 VANCE	1	2.66	8	4.33	4.12
92 WAKE	17	5.23	89	5.76	7.91
93 WARREN	2	12.41	3	3.68	2.77
94 WASHINGTON	0	0.00	3	4.08	4.82
95 WATAUGA	1	2.97	9	5.53	21.30*
96 WAYNE	7	7.14	40	8.20	9.00
97 WILKES	2	3.33	13	4.38	4.55
98 WILSON	9	13.99	34	10.73	11.03
99 YADKIN	3	10.28	14	9.70	7.29
100 YANCEY	4	26.25	10	13.27	6.97

* SEE SECTION I

TABLE 9

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	10363	170.39	49246	165.41	165.41
REGIONS					
DHR I WESTERN	3538	169.79	17047	167.27	160.66
DHR II N. CENTRAL	2363	182.53	11058	173.74	166.34
DHR III S. CENTRAL	2136	151.68	10152	147.61	168.41
DHR IV EASTERN	2326	179.57	10989	173.37	175.17
HSA I WESTERN	1862	177.77	8901	172.99	156.09
HSA II PIEDMONT	2076	181.49	9669	171.89	167.25
HSA III S. PIEDMONT	1676	161.72	8146	161.43	165.26
HSA IV CAPITAL	1384	161.14	6608	158.85	169.32
HSA V CARDINAL	1469	158.84	6928	152.50	168.18
HSA VI EASTERN	1896	177.12	8994	171.23	175.02
COUNTIES					
1 ALAMANCE	185	182.65	934	186.94	164.74
2 ALEXANDER	32	122.83	174	136.59	149.67
3 ALLEGHANY	10	101.76	90	185.00	135.71
4 ANSON	43	164.62	208	162.00	140.16
5 ASHE	39	169.29	177	156.78	111.02
6 AVERY	25	168.97	106	144.77	143.69
7 BEAUFORT	105	249.78	437	212.09	188.91
8 BERTIE	50	234.40	250	235.78	208.24
9 BLADEN	48	156.96	232	151.79	140.12
10 BRUNSWICK	73	177.39	326	172.76	162.19
11 BUNCOMBE	341	207.29	1701	209.57	175.09
12 BURKE	113	152.55	520	142.36	152.20
13 CABARRUS	168	185.93	773	176.57	164.22
14 CALDWELL	103	151.85	466	137.77	147.93
15 CAMDEN	14	238.86	63	218.24	188.89
16 CARTERET	115	252.44	463	215.54	196.31
17 CASWELL	37	170.35	148	140.68	136.39
18 CATAWBA	160	146.38	790	148.23	160.29
19 CHATHAM	65	188.42	270	158.81	140.23
20 CHEROKEE	46	233.83	210	219.14	154.18
21 CHOWAN	32	251.19	168	265.89	201.92
22 CLAY	15	216.57	65	190.90	170.15*
23 CLEVELAND	140	167.28	635	152.23	145.80
24 COLUMBUS	82	159.18	426	165.54	158.83
25 CRAVEN	114	152.72	546	150.66	189.21
26 CUMBERLAND	261	104.16	1197	96.07	178.07
27 CURRITUCK	21	166.82	108	185.90	170.17
28 DARE	33	215.30	122	171.57	131.08
29 DAVIDSON	163	140.72	890	156.60	159.23
30 DAVIE	45	169.31	219	169.24	167.19
31 DUPLIN	88	213.95	402	196.14	174.39
32 DURHAM	264	167.64	1369	177.13	178.60
33 EDGECOMBE	92	160.49	495	175.42	173.14
34 FORSYTH	458	181.50	2084	168.79	165.27
35 FRANKLIN	58	185.64	272	178.51	151.42
36 GASTON	248	148.34	1349	164.54	170.60
37 GATES	19	209.94	87	194.45	161.66
38 GRAHAM	16	225.22	63	177.01	136.19
39 GRANVILLE	70	194.98	315	181.50	156.18
40 GREENE	26	157.83	128	159.10	171.65
41 GUILFORD	634	196.24	2916	183.03	183.72

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	97	174.16	545	196.33	164.84
43 HARNETT	105	170.46	486	160.60	167.61
44 HAYWOOD	91	193.80	430	183.95	150.20
45 HENDERSON	145	229.15	660	218.69	174.07
46 HERTFORD	54	227.47	227	192.80	162.26
47 HOKE	29	132.43	119	113.04	145.68
48 HYDE	13	218.81	52	174.61	134.72
49 IREDELL	128	150.63	661	158.05	146.24
50 JACKSON	46	171.16	190	144.82	144.55
51 JOHNSTON	154	210.59	678	189.15	181.68
52 JONES	19	194.43	82	168.88	153.67
53 LEE	75	194.95	354	190.62	193.20
54 LENOIR	115	189.98	562	187.61	179.59
55 LINCOLN	70	160.45	320	149.96	156.69
56 MCDOWELL	46	127.44	273	153.75	139.87
57 MACON	53	237.54	269	254.68	179.48
58 MADISON	26	153.35	157	184.38	120.25
59 MARTIN	49	186.53	248	189.61	165.69
60 MECKLENBURG	679	159.82	3195	155.41	176.74
61 MITCHELL	26	182.06	143	198.60	128.87
62 MONTGOMERY	54	232.33	218	192.84	170.28
63 MOORE	132	249.45	593	231.58	177.61
64 NASH	122	176.02	593	173.80	166.87
65 NEW HANOVER	231	212.27	1005	190.60	192.96
66 NORTHAMPTON	49	216.95	250	221.18	172.63
67 ONSLOW	82	69.27	445	77.83	170.48
68 ORANGE	83	104.19	442	113.61	151.27
69 PAMLICO	32	301.54	114	218.29	172.32
70 PASQUOTANK	61	212.97	289	203.17	185.61
71 PENDER	44	188.54	238	211.25	183.60
72 PERQUIMANS	15	154.57	114	237.94	170.86
73 PERSON	59	197.35	262	178.02	160.60
74 PITT	171	181.33	731	159.16	183.61
75 POLK	29	204.83	169	252.60	171.68
76 RANDOLPH	166	175.21	675	145.84	153.71
77 RICHMOND	83	104.02	418	184.19	166.65
78 ROBESON	143	136.71	760	147.92	171.50
79 ROCKINGHAM	161	189.65	750	178.30	162.85
80 ROWAN	185	182.55	936	187.17	155.16
81 RUTHERFORD	102	183.09	492	180.69	155.15
82 SAMPSON	93	185.79	478	192.34	167.73
83 SCOTLAND	48	143.98	224	136.88	154.07
84 STANLY	100	204.07	426	176.02	159.31
85 STOKES	56	162.66	252	149.35	161.23
86 SURRY	108	180.66	566	189.69	171.86
87 SWAIN	24	224.88	105	201.27	168.46
88 TRANSYLVANIA	50	204.04	214	179.14	136.59
89 TYRRELL	9	220.10	50	244.09	179.87
90 UNION	98	130.64	486	135.35	154.08
91 VANCE	63	167.76	342	185.13	167.32
92 WAKE	456	140.32	2106	136.35	174.66
93 WARREN	37	229.72	198	242.92	169.15
94 WASHINGTON	16	109.85	135	183.91	175.96
95 WATAUGA	44	130.71	207	127.32	126.70
96 WAYNE	144	146.99	702	144.00	159.27
97 WILKES	109	181.97	462	155.80	150.55
98 WILSON	139	216.20	586	185.05	182.75
99 YADKIN	63	215.93	235	162.94	146.89
100 YANCEY	31	203.46	133	176.52	134.79

* SEE SECTION I

TOTAL CANCER

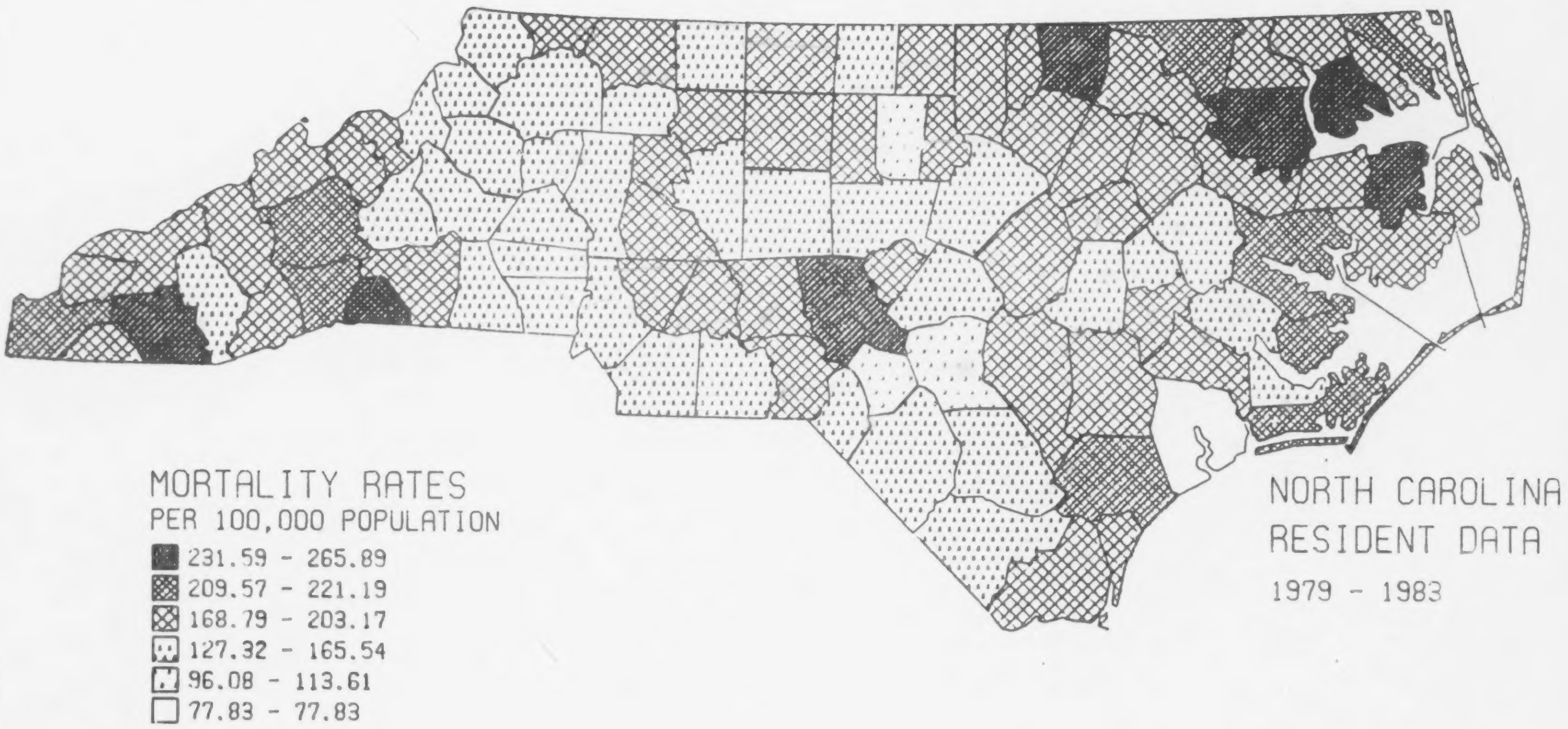

MORTALITY RATES
PER 100,000 POPULATION
231.59 - 265.89
209.57 - 221.19
168.79 - 203.17
127.32 - 165.54
96.08 - 113.61
77.83 - 77.83
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 9.A

TOTAL CANCER

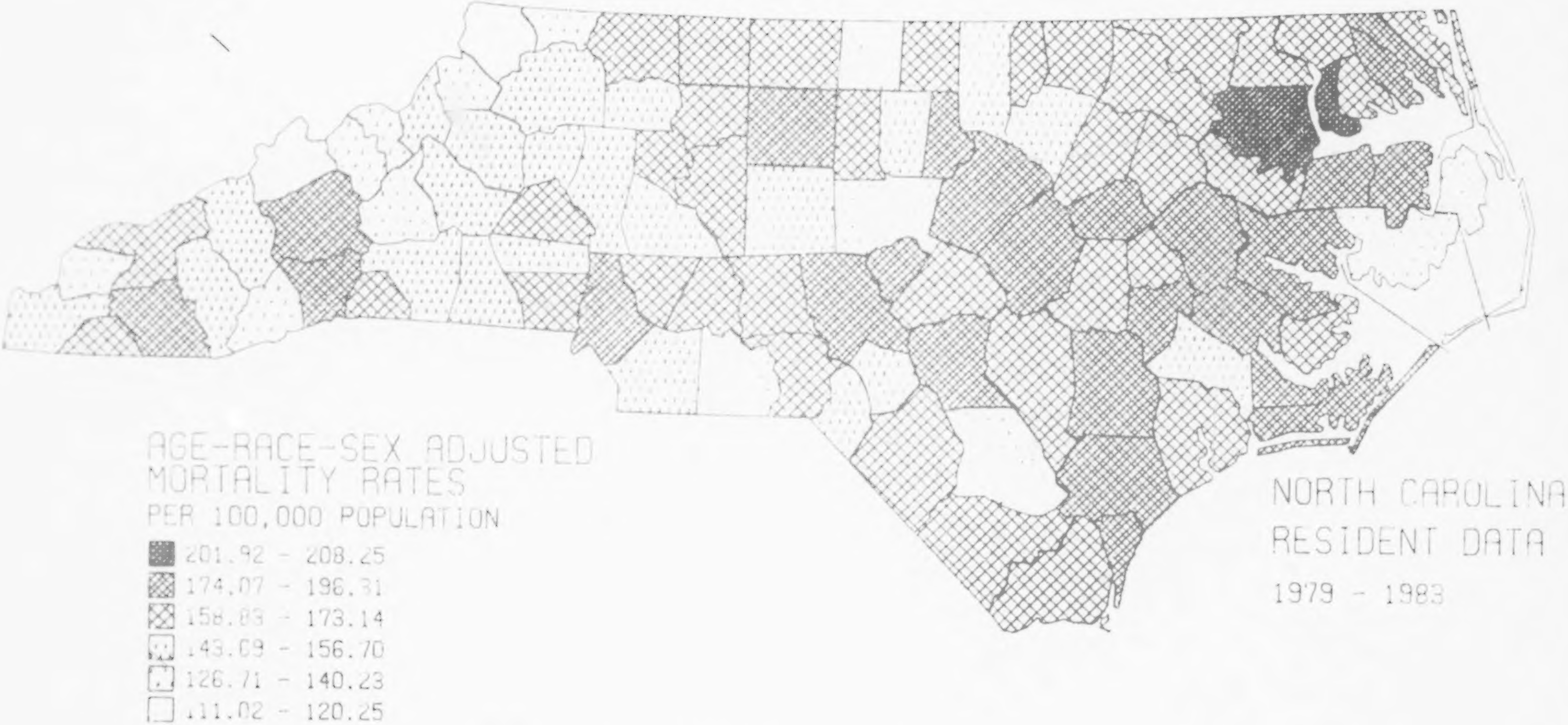

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 201.92 - 208.25
▩ 174.07 - 196.31
▨ 158.83 - 173.14
▤ 143.09 - 156.70
▢ 126.71 - 140.23
□ 111.02 - 120.25
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 9.B

TABLE 10

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	285	4.68	1421	4.77	4.77
REGIONS					
DHR I WESTERN	95	4.55	502	4.92	5.07
DHR II N. CENTRAL	67	5.17	307	4.82	4.69
DHR III S. CENTRAL	59	4.18	285	4.14	4.49
DHR IV EASTERN	64	4.94	327	5.15	4.68
HSA I WESTERN	56	5.34	275	5.34	5.41
HSA II PIEDMONT	56	4.89	253	4.49	4.53
HSA III S. PIEDMONT	39	3.76	227	4.49	4.80
HSA IV CAPITAL	41	4.77	208	5.00	4.93
HSA V CARDINAL	36	3.89	189	4.16	4.40
HSA VI EASTERN	57	5.32	269	5.12	4.60
COUNTIES					
1 ALAMANCE	8	7.89	23	4.60	4.27
2 ALEXANDER	0	0.00	7	5.49	5.07
3 ALLEGHANY	1	10.17	3	6.16	15.72*
4 ANSON	0	0.00	4	3.11	2.79
5 ASHE	1	4.34	6	5.31	3.04
6 AVERY	0	0.00	1	1.36	0.92
7 BEAUFORT	2	4.75	12	5.82	5.00
8 BERTIE	3	14.06	15	14.14	7.93
9 BLADEN	1	3.27	8	5.23	5.34
10 BRUNSWICK	0	0.00	5	2.64	2.58
11 BUNCOMBE	13	7.90	49	6.03	5.31
12 BURKE	3	4.05	7	1.91	2.30
13 CABARRUS	2	2.21	22	5.02	5.61
14 CALDWELL	2	2.94	21	6.20	5.44
15 CAMDEN	1	17.06	4	13.85	10.22
16 CARTERET	1	2.19	5	2.32	1.66
17 CASWELL	2	9.20	4	3.80	1.88
18 CATAWBA	5	4.57	21	3.94	6.52
19 CHATHAM	0	0.00	11	6.47	5.57
20 CHEROKEE	0	0.00	5	5.21	2.82
21 CHOWAN	1	7.84	7	11.07	7.04
22 CLAY	0	0.00	1	2.93	2.47
23 CLEVELAND	6	7.16	30	7.19	7.09
24 COLUMBUS	0	0.00	11	4.27	4.07
25 CRAVEN	4	5.35	18	4.96	5.97
26 CUMBERLAND	9	3.59	42	3.37	6.05
27 CURRITUCK	0	0.00	3	5.16	4.53
28 DARE	0	0.00	1	1.40	0.86
29 DAVIDSON	5	4.31	26	4.57	4.73
30 DAVIE	0	0.00	6	4.63	5.24
31 DUPLIN	2	4.86	13	6.34	4.49
32 DURHAM	11	6.98	42	5.43	4.56
33 EDGECOMBE	4	6.97	21	7.44	6.69
34 FORSYTH	16	6.34	68	5.50	5.23
35 FRANKLIN	2	6.40	5	3.28	2.25
36 GASTON	6	3.58	48	5.85	6.15
37 GATES	0	0.00	1	2.23	0.73
38 GRAHAM	0	0.00	1	2.80	2.09
39 GRANVILLE	5	13.92	13	7.49	4.67
40 GREENE	2	12.14	6	7.45	9.11
41 GUILFORD	15	4.64	70	4.39	4.42

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF STOMACH CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	4	7.18	19	6.84	4.51
43 HARNETT	3	4.87	13	4.29	4.57
44 HAYWOOD	3	6.38	14	5.98	3.45
45 HENDERSON	2	3.16	20	6.62	7.61
46 HERTFORD	0	0.00	3	2.54	3.82
47 HOKE	1	4.56	4	3.79	3.08
48 HYDE	1	16.83	1	3.35	2.87
49 IREDELL	3	3.53	18	4.30	3.83
50 JACKSON	2	7.44	9	6.86	5.44
51 JOHNSTON	4	5.47	23	6.41	6.11
52 JONES	0	0.00	1	2.05	3.53
53 LEE	1	2.59	15	8.07	8.48
54 LENOIR	3	4.95	10	3.33	2.29
55 LINCOLN	2	4.58	6	2.81	2.37
56 MCDOWELL	1	2.77	8	4.50	8.41
57 MACON	3	13.44	12	11.36	5.49
58 MADISON	1	5.89	4	4.69	2.79
59 MARTIN	1	3.80	11	8.41	5.25
60 MECKLENBURG	16	3.76	96	4.66	5.30
61 MITCHELL	0	0.00	3	4.16	2.60
62 MONTGOMERY	0	0.00	6	5.30	4.46
63 MOORE	3	5.66	13	5.07	4.23
64 NASH	2	2.88	18	5.27	4.46
65 NEW HANOVER	3	2.75	32	6.06	6.07
66 NORTHAMPTON	3	13.28	5	4.42	3.36
67 ONSLOW	1	0.84	4	0.69	1.61
68 ORANGE	3	3.76	14	3.59	4.61
69 PAMLICO	0	0.00	2	3.82	3.11
70 PASQUOTANK	3	10.47	12	8.43	6.91
71 PENDER	4	17.14	10	8.87	6.13
72 PERQUIMANS	1	10.30	3	6.26	3.29
73 PERSON	2	6.69	11	7.47	6.11
74 PITT	4	4.24	30	6.53	6.17
75 POLK	0	0.00	5	7.47	6.19
76 RANDOLPH	6	6.33	19	4.10	5.52
77 RICHMOND	4	8.86	11	4.84	4.30
78 ROBESON	2	1.91	15	2.91	2.89
79 ROCKINGHAM	1	1.17	18	4.27	3.88
80 ROWAN	6	5.92	21	4.19	3.50
81 RUTHERFORD	3	5.38	11	4.03	3.77
82 SAMPSON	5	9.98	11	4.42	3.93
83 SCOTLAND	1	2.99	4	2.44	3.23
84 STANLY	4	8.16	9	3.71	3.05
85 STOKES	0	0.00	2	1.18	1.06
86 SURRY	3	5.01	12	4.02	4.03
87 SWAIN	1	9.37	3	5.75	5.59
88 TRANSYLVANIA	1	4.08	3	2.51	1.76
89 TYRRELL	0	0.00	1	4.88	4.52
90 UNION	0	0.00	7	1.94	2.17
91 VANCE	1	2.66	16	8.66	5.40
92 WAKE	11	3.38	49	3.17	4.10
93 WARREN	1	6.20	9	11.04	5.55
94 WASHINGTON	1	6.86	4	5.44	4.95
95 WATAUGA	3	8.91	8	4.92	3.96
96 WAYNE	8	8.16	21	4.30	4.20
97 WILKES	4	6.67	14	4.72	3.85
98 WILSON	5	7.77	18	5.68	5.24
99 YADKIN	0	0.00	5	3.46	2.64
100 YANCEY	1	6.56	9	11.94	7.27

* SEE SECTION 1

CANCER OF THE STOMACH

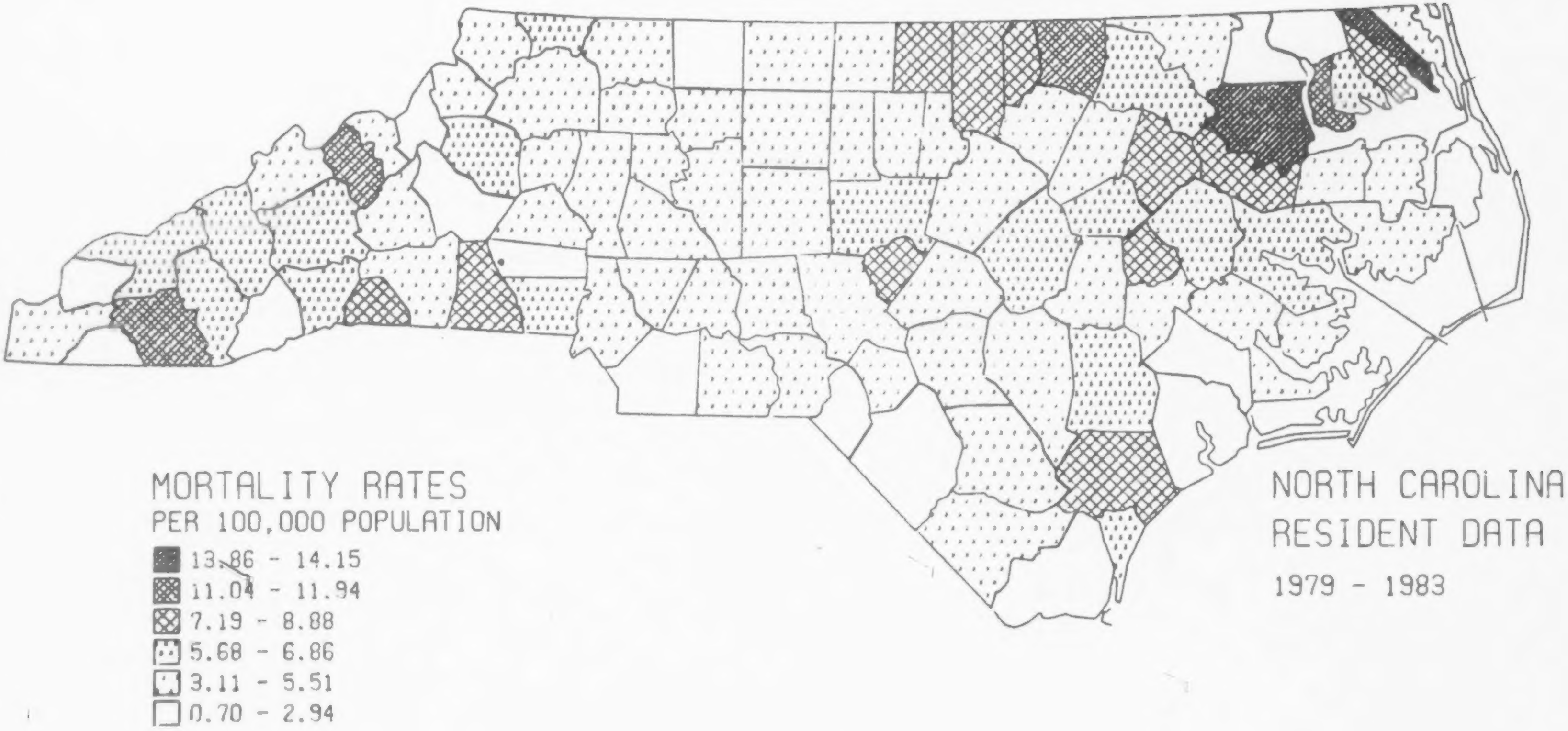
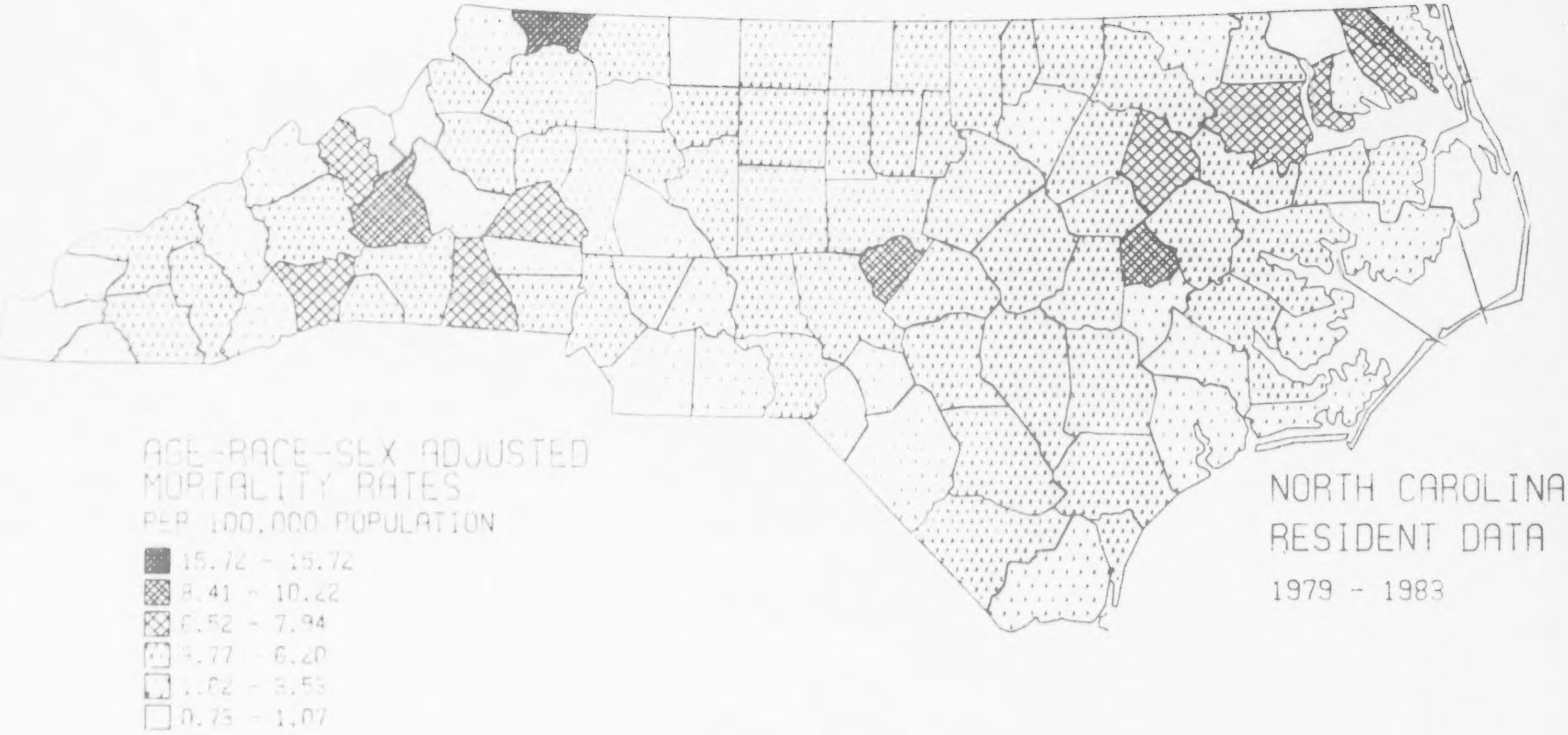

MORTALITY RATES
PER 100,000 POPULATION
13.86 - 14.15
11.04 - 11.94
7.19 - 8.88
5.68 - 6.86
3.11 - 5.51
0.70 - 2.94
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 10.A

CANCER OF THE STOMACH


AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
15.72 - 15.72
8.41 - 10.22
6.52 - 7.94
4.77 - 6.20
1.62 - 3.55
0.75 - 1.07

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 10.B

TABLE 11

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF COLON, RECTUM AND ANUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	1091	17.93	5330	17.90	17.90
REGIONS					
DHR I WESTERN	388	18.62	1939	19.02	18.03
DHR II N. CENTRAL	252	19.46	1187	18.65	17.79
DHR III S. CENTRAL	209	14.84	1065	15.48	17.83
DHR IV EASTERN	242	18.68	1139	17.96	18.41
HSA I WESTERN	216	20.62	1013	19.68	17.16
HSA II PIEDMONT	220	19.23	1053	18.71	18.13
HSA III S. PIEDMONT	172	16.59	926	18.35	18.77
HSA IV CAPITAL	138	16.06	674	16.20	17.33
HSA V CARDINAL	152	16.43	713	15.69	17.42
HSA VI EASTERN	193	18.03	951	18.10	18.79
COUNTIES					
1 ALAMANCE	17	16.78	96	19.21	16.94
2 ALEXANDER	3	11.51	13	10.20	14.85
3 ALLEGHANY	1	10.17	10	20.55	11.93
4 ANSON	3	11.48	22	17.13	12.27
5 ASHE	4	17.36	21	18.60	10.88
6 AVERY	1	6.75	4	5.46	4.19
7 BEAUFORT	8	19.03	48	23.29	20.85
8 BERTIE	8	37.50	36	33.95	31.21
9 BLADEN	2	6.54	19	12.43	12.05
10 BRUNSWICK	6	14.58	28	14.83	14.00
11 BUNCOMBE	38	23.10	185	22.79	17.84
12 BURKE	14	18.90	63	17.24	18.18
13 CABARRUS	15	16.60	87	19.87	18.02
14 CALDWELL	13	19.16	57	16.85	16.74
15 CAMDEN	1	17.06	5	17.32	16.46
16 CARTERET	11	24.14	43	20.01	18.55
17 CASWELL	1	4.60	11	10.45	11.26
18 CATAWBA	15	13.72	90	16.88	18.97
19 CHATHAM	6	17.39	30	17.64	15.52
20 CHEROKEE	4	20.33	15	15.65	9.46
21 CHOWAN	3	23.54	21	33.23	24.43
22 CLAY	0	0.00	8	23.49	12.70
23 CLEVELAND	24	28.67	90	21.57	20.16
24 COLUMBUS	8	15.53	29	11.26	11.19
25 CRAVEN	13	17.41	52	14.34	18.79
26 CUMBERLAND	23	9.17	120	9.63	19.71
27 CURRITUCK	4	31.77	14	24.09	22.94
28 DARE	6	39.14	20	28.12	23.34
29 DAVIDSON	15	12.94	98	17.24	17.13
30 DAVIE	4	15.05	28	21.63	22.21
31 DUPLIN	7	17.01	34	16.58	14.75
32 DURHAM	23	14.60	141	18.24	18.73
33 EDGECOMBE	6	10.46	59	20.90	19.00
34 FORSYTH	48	19.02	244	19.76	19.14
35 FRANKLIN	4	12.80	30	19.68	15.47
36 GASTON	24	14.35	141	17.19	18.08
37 GATES	2	22.09	13	22.05	25.28
38 GRAHAM	1	14.07	8	22.47	16.19
39 GRANVILLE	6	16.71	28	16.13	14.26
40 GREENE	3	18.21	9	11.18	12.78
41 GUILFORD	76	23.52	309	19.39	19.40

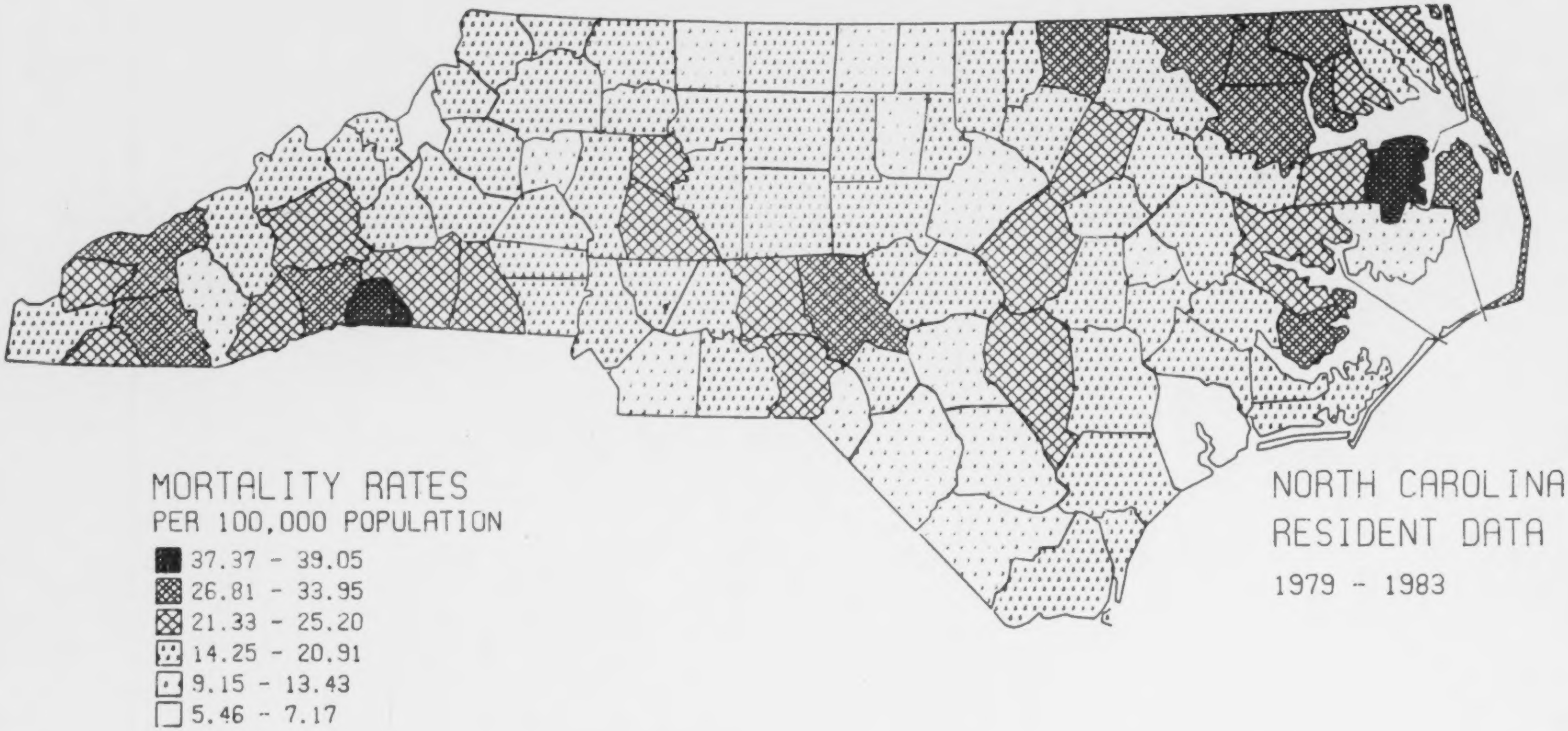
* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF COLON, RECTUM AND ANUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	15	26.93	57	20.53	16.90
43 HARNETT	11	17.85	52	17.18	18.41
44 HAYWOOD	8	17.03	46	19.67	19.55
45 HENDERSON	23	36.34	85	28.16	22.96
46 HERTFORD	9	37.91	34	28.87	26.17
47 HOKE	2	9.13	15	14.24	13.88
48 HYDE	0	0.00	3	10.07	9.96*
49 IREDELL	19	22.36	78	18.65	17.00
50 JACKSON	4	14.88	12	9.14	9.37
51 JOHNSTON	20	27.35	81	22.59	21.68
52 JONES	1	10.23	7	14.41	14.40
53 LEE	5	12.99	38	20.46	20.90
54 LENOIR	11	18.17	47	15.68	15.40
55 LINCOLN	7	16.04	38	17.80	19.65
56 MCDOWELL	4	11.08	31	17.45	15.45
57 MACON	5	22.40	31	29.34	25.95
58 MADISON	2	11.79	15	17.61	11.38
59 MARTIN	0	0.00	20	15.29	14.94
60 MECKLENBURG	75	17.65	360	17.51	20.26
61 MITCHELL	2	14.00	14	19.44	11.07
62 MONTGOMERY	4	17.21	25	22.11	19.17
63 MOORE	19	35.90	81	31.63	23.02
64 NASH	14	20.19	75	21.98	22.21
65 NEW HANOVER	31	28.48	109	20.67	21.02
66 NORTHAMPTON	6	26.56	33	29.19	24.30
67 ONSLOW	5	4.22	41	7.17	17.12
68 ORANGE	9	11.29	49	12.59	16.93
69 PAMLICO	1	9.42	14	26.80	20.46
70 PASQUOTANK	6	20.94	29	20.38	18.59
71 PENDER	4	17.14	22	19.52	15.83
72 PERQUIMANS	0	0.00	11	22.95	18.02
73 PERSON	6	20.07	16	10.87	10.20
74 PITT	20	21.20	69	15.02	17.79
75 POLK	4	28.25	25	37.36	22.16
76 RANDOLPH	16	16.88	85	18.36	17.93
77 RICHMOND	10	22.17	49	21.59	18.85
78 ROBESON	17	16.25	69	13.43	13.84
79 ROCKINGHAM	20	23.55	78	18.54	16.82
80 ROWAN	18	17.76	126	25.19	20.80
81 RUTHERFORD	8	14.36	62	22.77	17.69
82 SAMPSON	11	21.97	53	21.32	18.84
83 SCOTLAND	1	2.99	20	12.22	12.79
84 STANLY	7	14.28	48	19.83	18.55
85 STOKES	3	8.71	19	11.26	15.20
86 SURRY	12	20.07	60	20.10	16.99
87 SWAIN	5	46.85	15	28.75	20.09
88 TRANSYLVANIA	11	44.89	26	21.76	18.78
89 TYRRELL	2	48.91	8	39.05	27.22
90 UNION	7	9.33	48	13.36	16.27
91 VANCE	10	26.62	36	19.48	15.49
92 WAKE	43	13.23	201	13.01	17.26
93 WARREN	6	37.25	24	29.44	21.47
94 WASHINGTON	2	13.73	17	23.16	20.39
95 WATAUGA	9	26.73	25	15.37	13.20
96 WAYNE	18	18.37	77	15.79	17.34
97 WILKES	11	18.36	48	16.18	15.63
98 WILSON	11	17.10	55	17.36	17.37
99 YADKIN	8	27.41	25	17.33	15.75
100 YANCEY	2	13.12	14	18.58	11.64

* SEE SECTION I

CANCER OF THE COLON, RECTUM AND ANUS



MORTALITY RATES
PER 100,000 POPULATION
■ 37.37 - 39.05
▩ 26.81 - 33.95
▨ 21.33 - 25.20
⁙ 14.25 - 20.91
· 9.15 - 13.43
☐ 5.46 - 7.17

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 11.A

CANCER OF THE COLON, RECTUM AND ANUS

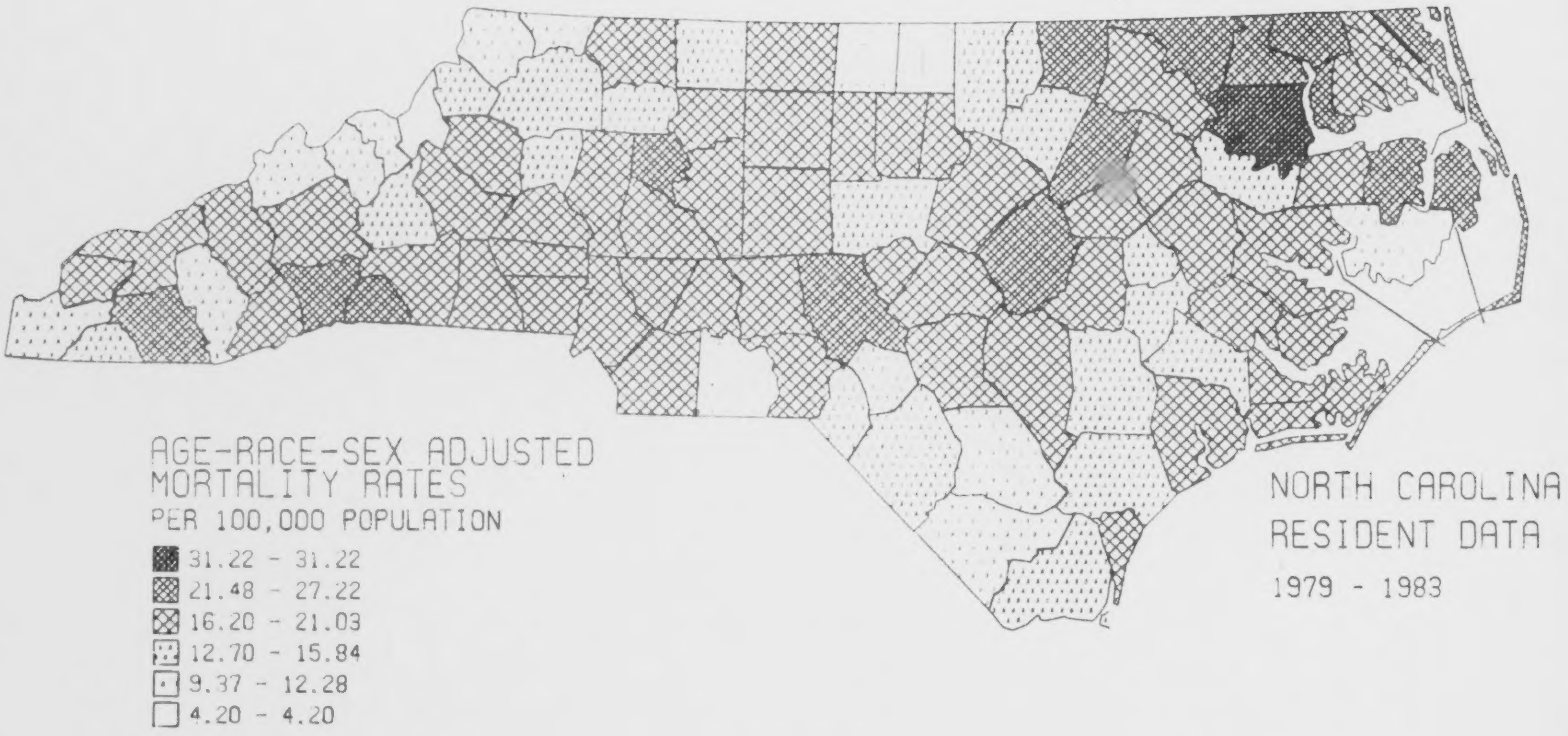

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 31.22 - 31.22
▩ 21.48 - 27.22
▨ 16.20 - 21.03
⁘ 12.70 - 15.84
⊡ 9.37 - 12.28
☐ 4.20 - 4.20
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 11.B

TABLE 12

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	531	8.73	2639	8.86	8.86
REGIONS					
DHR I WESTERN	190	9.11	924	9.06	8.83
DHR II N. CENTRAL	121	9.34	597	9.38	8.99
DHR III S. CENTRAL	102	7.24	561	8.15	9.30
DHR IV EASTERN	118	9.11	557	8.78	8.83
HSA I WESTERN	104	9.92	483	9.38	8.45
HSA II PIEDMONT	112	9.79	537	9.54	9.39
HSA III S. PIEDMONT	86	8.29	441	8.73	9.07
HSA IV CAPITAL	65	7.56	332	7.98	8.43
HSA V CARDINAL	67	7.24	389	8.56	9.54
HSA VI EASTERN	97	9.06	457	8.70	8.81
COUNTIES					
1 ALAMANCE	7	6.91	47	9.40	8.37
2 ALEXANDER	2	7.67	10	7.85	11.04
3 ALLEGHANY	0	0.00	2	4.11	2.47
4 ANSON	0	0.00	12	9.34	7.86
5 ASHE	3	13.02	11	9.74	5.69
6 AVERY	2	13.51	6	8.19	6.63
7 BEAUFORT	3	7.13	22	10.67	9.13
8 BERTIE	5	23.44	11	10.37	8.03
9 BLADEN	1	3.27	12	7.85	7.73
10 BRUNSWICK	2	4.86	12	6.35	6.60
11 BUNCOMBE	16	9.72	87	10.71	8.75
12 BURKE	8	10.80	26	7.11	6.60
13 CABARRUS	6	6.64	32	7.30	6.86
14 CALDWELL	3	4.42	25	7.39	7.57
15 CAMDEN	0	0.00	5	17.32	13.98
16 CARTERET	7	15.36	24	11.17	8.42
17 CASWELL	0	0.00	5	4.75	4.00
18 CATAWBA	10	9.14	51	9.56	9.35
19 CHATHAM	2	5.79	12	7.05	6.54
20 CHEROKEE	2	10.16	14	14.60	9.37
21 CHOWAN	1	7.84	6	9.49	7.24
22 CLAY	3	43.31	7	20.55	12.76
23 CLEVELAND	8	9.55	38	9.11	8.76
24 COLUMBUS	7	13.58	24	9.32	9.43
25 CRAVEN	5	6.69	26	7.17	9.02
26 CUMBERLAND	14	5.58	70	5.61	10.96
27 CURRITUCK	2	15.88	4	6.88	6.67
28 DARE	1	6.52	7	9.84	6.61
29 DAVIDSON	12	10.35	57	10.02	11.00
30 DAVIE	3	11.28	10	7.72	7.39
31 DUPLIN	8	19.45	22	10.73	9.07
32 DURHAM	10	6.35	67	8.66	8.80
33 EDGECOMBE	4	6.97	20	7.08	6.88
34 FORSYTH	31	12.28	118	9.55	9.35
35 FRANKLIN	4	12.80	12	7.87	5.38
36 GASTON	12	7.17	70	8.53	9.52
37 GATES	1	11.04	4	8.94	4.47
38 GRAHAM	0	0.00	4	11.23	7.00
39 GRANVILLE	0	0.00	13	7.49	7.26
40 GREENE	2	12.14	7	8.70	9.09
41 GUILFORD	32	9.90	156	9.79	9.90

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF PANCREAS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	6	10.77	28	10.08	8.05
43 HARNETT	3	4.87	30	9.91	10.24
44 HAYWOOD	8	17.03	27	11.55	7.21
45 HENDERSON	6	9.48	29	9.60	8.12
46 HERTFORD	3	12.63	12	10.19	8.93
47 HOKE	2	9.13	6	5.69	5.31
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	8	9.41	44	10.52	9.72
50 JACKSON	1	3.72	9	6.86	6.22
51 JOHNSTON	10	13.67	37	10.32	10.05
52 JONES	0	0.00	2	4.11	4.79
53 LEE	5	12.99	17	9.15	9.46
54 LENOIR	7	11.56	41	13.68	13.71
55 LINCOLN	3	6.87	19	8.90	8.05
56 MCDOWELL	1	2.77	16	9.01	6.76
57 MACON	3	13.44	12	11.36	5.24
58 MADISON	3	17.69	10	11.74	7.46
59 MARTIN	1	3.80	12	9.17	7.59
60 MECKLENBURG	36	8.47	175	8.51	9.71
61 MITCHELL	0	0.00	7	9.72	15.86*
62 MONTGOMERY	2	8.60	19	16.80	14.23
63 MOORE	13	24.56	38	14.84	11.24
64 NASH	8	11.54	32	9.37	9.41
65 NEW HANOVER	10	9.18	56	10.62	10.62
66 NORTHAMPTON	2	8.85	12	10.61	10.29
67 ONSLOW	3	2.53	12	2.09	5.27
68 ORANGE	3	3.76	25	6.42	8.58
69 PAMLICO	0	0.00	8	15.31	11.95
70 PASQUOTANK	3	10.47	8	5.62	4.87
71 PENDER	2	8.57	8	7.10	7.49
72 PERQUIMANS	1	10.30	5	10.43	6.63
73 PERSON	3	10.03	17	11.55	10.62
74 PITT	6	6.36	42	9.14	10.95
75 POLK	2	14.12	7	10.46	6.70
76 RANDOLPH	9	9.49	41	8.85	10.01
77 RICHMOND	5	11.08	31	13.66	11.86
78 ROBESON	4	3.82	49	9.53	10.27
79 ROCKINGHAM	5	5.88	41	9.74	8.80
80 ROWAN	15	14.80	59	11.79	9.31
81 RUTHERFORD	9	16.15	35	12.85	12.84
82 SAMPSON	2	3.99	16	6.43	5.91
83 SCOTLAND	0	0.00	6	3.66	4.28
84 STANLY	1	2.04	22	9.09	7.18
85 STOKES	2	5.80	13	7.70	9.01
86 SURRY	6	10.03	35	11.73	8.24
87 SWAIN	2	18.74	2	3.83	2.38
88 TRANSYLVANIA	2	8.16	13	10.88	7.79
89 TYRRELL	0	0.00	5	24.40	12.03
90 UNION	5	6.66	20	5.57	6.33
91 VANCE	1	2.66	11	5.95	4.34
92 WAKE	26	8.00	114	7.38	9.45
93 WARREN	1	6.20	7	8.58	4.56
94 WASHINGTON	1	6.86	4	5.44	5.90
95 WATAUGA	4	11.88	12	7.38	6.73
96 WAYNE	10	10.20	44	9.02	9.70
97 WILKES	4	6.67	20	6.74	6.49
98 WILSON	7	10.88	32	10.10	9.41
99 YADKIN	5	17.13	14	9.70	6.82
100 YANCEY	2	13.12	3	3.98	2.43

* SEE SECTION I

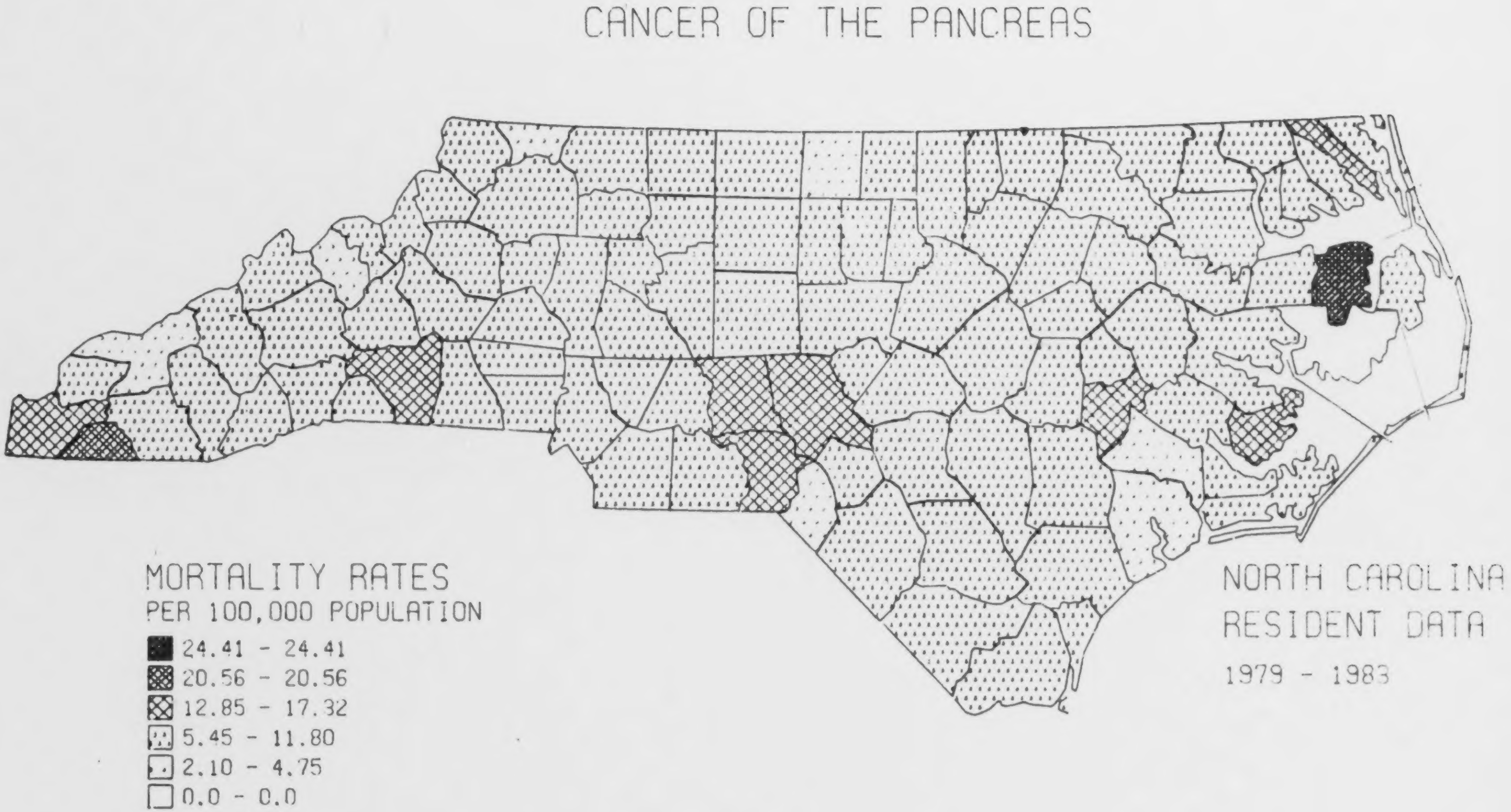

CANCER OF THE PANCREAS
MORTALITY RATES
PER 100,000 POPULATION
■ 24.41 - 24.41
▩ 20.56 - 20.56
▨ 12.85 - 17.32
⁘ 5.45 - 11.80
⁚ 2.10 - 4.75
□ 0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 12.A

CANCER OF THE PANCREAS

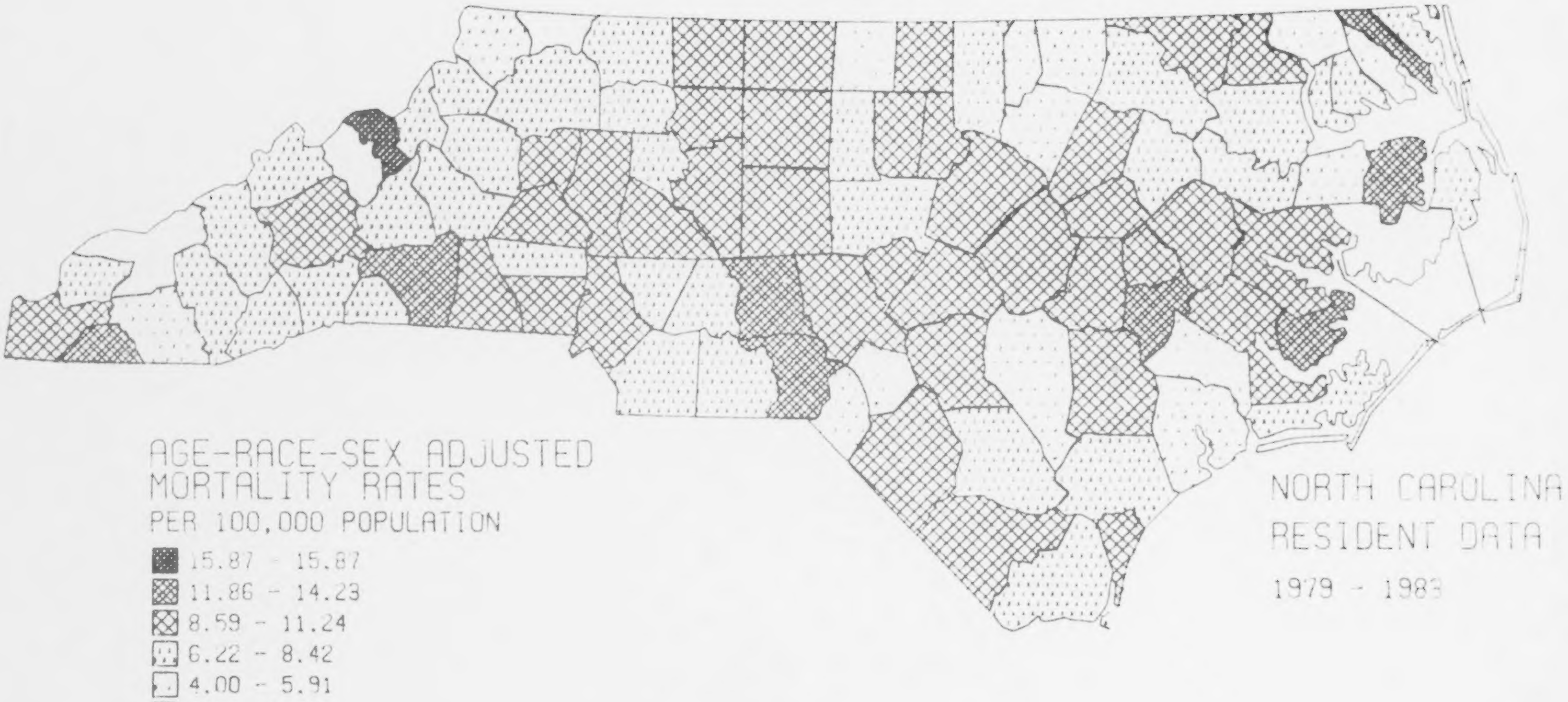

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 15.87 - 15.87
▩ 11.86 - 14.23
▨ 8.59 - 11.24
▦ 6.22 - 8.42
☐ 4.00 - 5.91
☐ 0.0 - 2.48
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 12.B

TABLE 13

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	2789	45.85	12643	42.46	42.46
REGIONS					
DHR I WESTERN	922	44.24	4168	40.89	38.78
DHR II N. CENTRAL	641	49.51	2860	44.93	42.84
DHR III S. CENTRAL	585	41.54	2632	38.26	44.90
DHR IV EASTERN	641	49.48	2983	47.06	48.74
HSA I WESTERN	451	43.05	2130	41.39	37.19
HSA II PIEDMONT	572	50.00	2497	44.39	42.74
HSA III S. PIEDMONT	471	45.44	2038	40.38	40.89
HSA IV CAPITAL	371	43.19	1702	40.91	45.22
HSA V CARDINAL	404	43.68	1838	40.45	45.37
HSA VI EASTERN	520	48.57	2438	46.41	49.07
COUNTIES					
1 ALAMANCE	48	47.39	244	48.83	42.04
2 ALEXANDER	10	38.38	47	36.89	42.51
3 ALLEGHANY	5	50.88	27	55.50	46.43*
4 ANSON	11	42.11	59	45.95	45.87
5 ASHE	11	47.74	42	37.20	23.55
6 AVERY	7	47.31	25	34.14	25.22
7 BEAUFORT	30	71.36	115	55.81	51.29
8 BERTIE	7	32.81	60	56.58	58.94
9 BLADEN	17	55.59	83	54.30	51.03
10 BRUNSWICK	19	46.17	90	47.69	41.41
11 BUNCOMBE	64	38.90	397	48.91	42.39
12 BURKE	38	51.30	139	38.05	40.23
13 CABARRUS	46	50.91	185	42.25	37.86
14 CALDWELL	33	48.65	128	37.84	39.68
15 CAMDEN	3	51.18	13	45.03	41.90
16 CARTERET	35	76.83	145	67.50	56.75
17 CASWELL	13	59.85	41	38.97	38.14
18 CATAWBA	36	32.93	199	37.33	39.50
19 CHATHAM	13	37.68	59	34.70	31.02
20 CHEROKEE	10	50.83	46	48.00	30.41
21 CHOWAN	7	54.94	44	69.63	52.61
22 CLAY	6	86.63	18	52.86	28.55
23 CLEVELAND	29	34.65	140	33.56	32.01
24 COLUMBUS	20	38.82	119	46.24	43.84
25 CRAVEN	31	41.52	161	44.42	57.34
26 CUMBERLAND	92	36.71	328	26.32	50.60
27 CURRITUCK	5	39.72	37	63.68	55.79
28 DARE	5	32.62	34	47.81	31.19
29 DAVIDSON	48	41.43	223	39.23	38.23
30 DAVIE	10	37.62	53	40.95	40.66
31 DUPLIN	22	53.48	109	53.18	47.76
32 DURHAM	82	52.07	343	44.38	47.62
33 EDGECOMBE	20	34.89	140	49.61	51.60
34 FORSYTH	116	45.96	500	40.49	40.43
35 FRANKLIN	21	67.21	79	51.84	48.02
36 GASTON	76	45.45	362	44.15	44.42
37 GATES	5	55.24	27	60.34	47.09
38 GRAHAM	6	84.45	20	56.19	41.39
39 GRANVILLE	13	36.21	73	42.06	37.81
40 GREENE	7	42.49	37	45.99	52.67
41 GUILFORD	188	58.19	787	49.39	50.02

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
42 HALIFAX	25	44.88	133	47.91	41.50
43 HARNETT	31	50.32	134	44.28	46.02
44 HAYWOOD	21	44.72	97	41.49	38.29
45 HENDERSON	31	48.99	147	48.71	43.13
46 HERTFORD	13	54.76	56	47.56	38.93
47 HOKE	6	27.40	30	28.49	42.35
48 HYDE	4	67.32	19	63.30	52.32
49 IREDELL	34	40.01	151	36.10	33.51
50 JACKSON	12	44.65	48	36.58	35.69
51 JOHNSTON	41	56.06	174	48.54	45.87
52 JONES	2	20.46	9	18.53	19.86
53 LEE	29	75.38	99	53.30	53.82
54 LENOIR	33	54.51	160	53.41	52.84
55 LINCOLN	14	32.09	73	34.20	32.55
56 MCDOWELL	14	38.78	63	35.48	35.51
57 MACON	13	58.26	60	56.80	38.97
58 MADISON	3	17.69	39	45.80	30.70
59 MARTIN	13	49.48	64	48.93	44.22
60 MECKLENBURG	192	45.19	823	40.03	45.89
61 MITCHELL	9	63.02	36	49.99	31.32
62 MONTGOMERY	9	38.72	49	43.34	38.30
63 MOORE	29	54.80	150	58.58	44.17
64 NASH	30	43.28	144	42.20	41.87
65 NEW HANOVER	65	59.73	278	52.72	53.92
66 NORTHAMPTON	12	53.13	64	56.62	50.69
67 ONSLOW	26	21.96	123	21.51	45.89
68 ORANGE	19	23.85	118	30.33	41.20
69 PAMLICO	19	179.04	40	76.59	62.79
70 PASQUOTANK	17	59.35	65	45.69	44.73
71 PENDER	17	72.84	58	51.48	42.59
72 PERQUIMANS	7	72.13	39	81.40	61.86
73 PERSON	9	30.10	58	39.40	36.82
74 PITT	52	55.14	198	43.11	51.55
75 POLK	8	56.50	41	61.28	37.93
76 RANDOLPH	49	51.72	176	38.02	37.01
77 RICHMOND	21	46.56	108	47.58	43.48
78 ROBESON	37	35.37	177	34.45	43.45
79 ROCKINGHAM	39	45.94	190	45.17	40.86
80 ROWAN	49	48.35	222	44.39	36.22
81 RUTHERFORD	26	46.67	103	37.82	33.03
82 SAMPSON	18	35.96	119	47.88	42.22
83 SCOTLAND	12	35.99	56	34.22	39.92
84 STANLY	32	65.30	97	40.08	34.45
85 STOKES	18	52.28	76	45.04	47.22
86 SURRY	27	45.16	153	51.27	43.14
87 SWAIN	4	37.48	23	44.08	35.84
88 TRANSYLVANIA	10	40.80	59	49.39	37.71
89 TYRRELL	1	24.45	12	58.58	45.66
90 UNION	28	37.32	125	34.81	39.00
91 VANCE	16	42.60	101	54.67	54.03
92 WAKE	118	36.31	546	35.35	46.28
93 WARREN	10	62.08	52	63.79	53.21
94 WASHINGTON	3	20.59	41	55.85	53.58
95 WATAUGA	12	35.65	57	35.06	39.81
96 WAYNE	33	33.68	160	32.82	38.61
97 WILKES	25	41.73	95	32.03	28.93
98 WILSON	53	82.43	189	59.68	62.03
99 YADKIN	16	54.83	54	37.44	35.53
100 YANCEY	8	52.50	34	45.12	28.84

* SEE SECTION I

CANCER OF TRACHEA, BRONCHUS AND LUNG

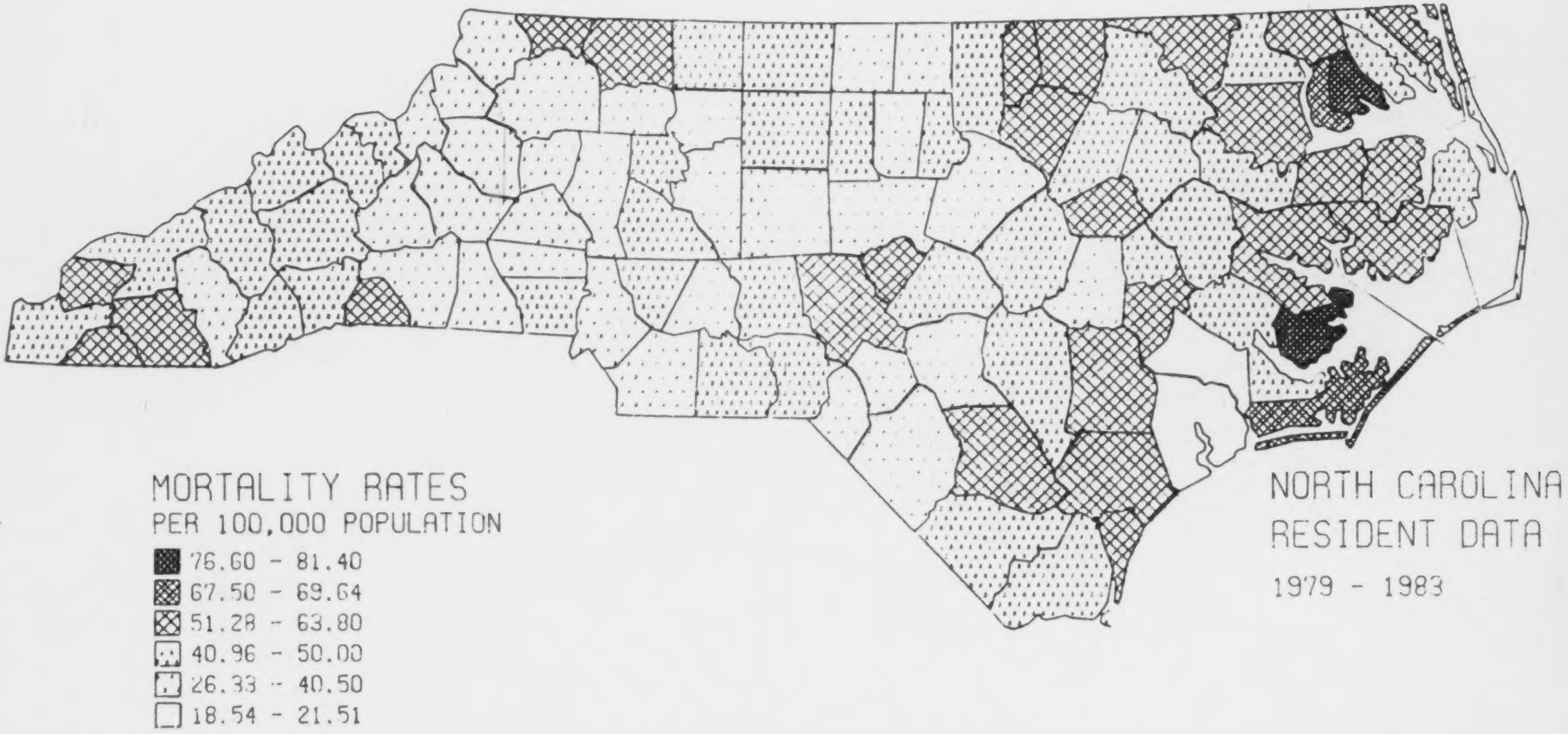

MORTALITY RATES
PER 100,000 POPULATION
76.60 - 81.40
67.50 - 69.64
51.28 - 63.80
40.96 - 50.00
26.33 - 40.50
18.54 - 21.51
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 13.A

CANCER OF TRACHEA, BRONCHUS AND LUNG

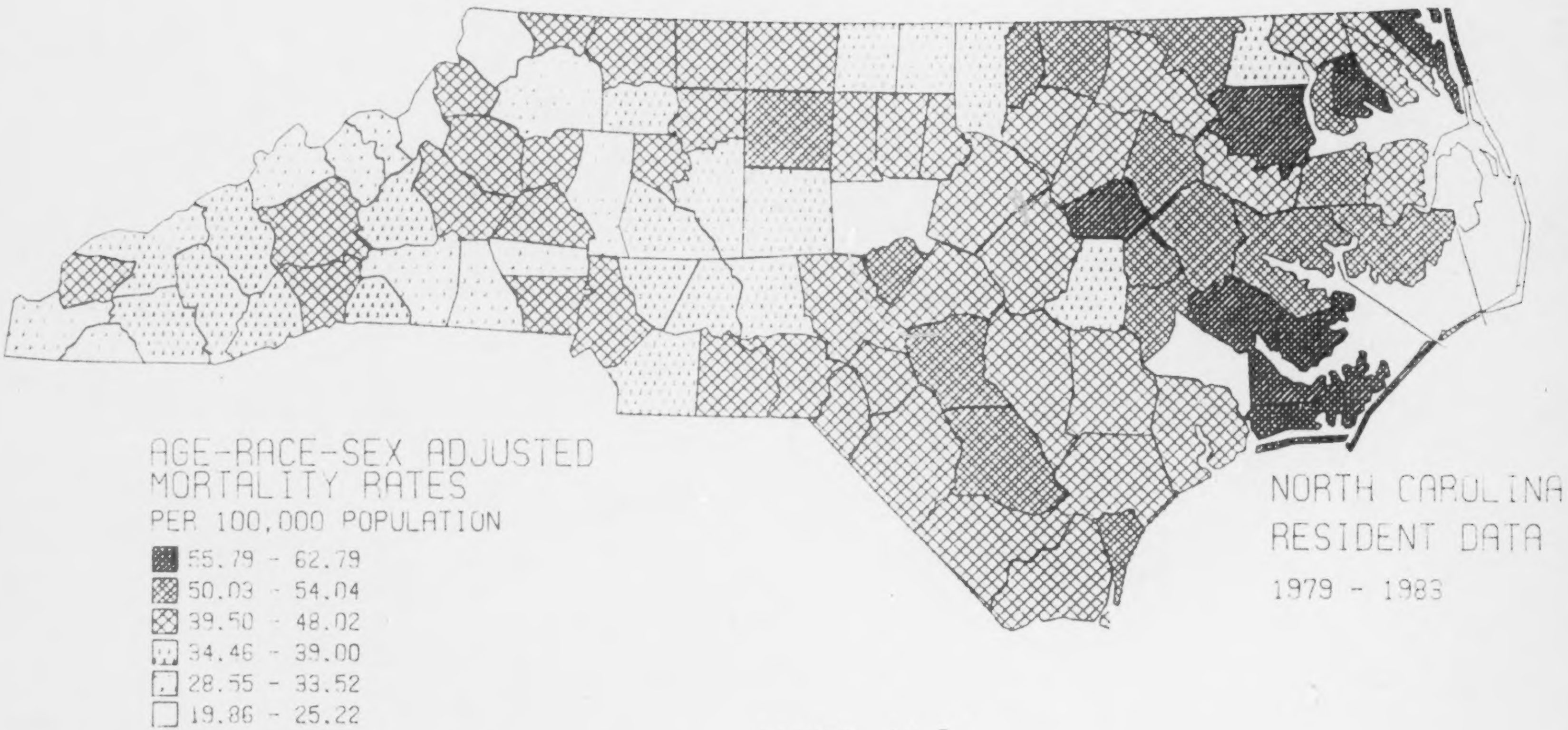

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 55.79 - 62.79
▩ 50.03 - 54.04
▩ 39.50 - 48.02
▩ 34.46 - 39.00
▩ 28.55 - 33.52
☐ 19.86 - 25.22
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 13.B

TABLE 14

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF FEMALE BREAST

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	882	28.20	4019	26.24	26.24
REGIONS					
DHR I WESTERN	297	27.57	1422	26.97	25.56
DHR II N. CENTRAL	211	31.32	924	27.87	26.82
DHR III S. CENTRAL	185	25.74	833	23.74	26.70
DHR IV EASTERN	189	28.72	840	26.08	26.42
HSA I WESTERN	157	29.05	744	28.02	25.07
HSA II PIEDMONT	188	31.54	807	27.50	26.85
HSA III S. PIEDMONT	140	26.07	678	25.91	25.85
HSA IV CAPITAL	119	26.81	564	26.20	27.99
HSA V CARDINAL	121	25.80	522	22.69	24.84
HSA VI EASTERN	157	28.99	704	26.48	27.02
COUNTIES					
1 ALAMANCE	18	33.81	95	36.24	31.71
2 ALEXANDER	6	45.80	16	24.94	26.20
3 ALLEGHANY	1	19.71	5	19.90	11.81
4 ANSON	4	28.86	15	22.01	18.09
5 ASHE	4	33.87	19	32.84	50.23
6 AVERY	4	53.88	14	38.23	30.23
7 BEAUFORT	13	59.04	32	29.61	26.44
8 BERTIE	4	35.61	20	35.77	40.85
9 BLADEN	4	25.34	12	15.21	15.23
10 BRUNSWICK	8	38.23	30	31.29	31.12
11 BUNCOMBE	33	38.17	139	32.57	27.93
12 BURKE	6	15.82	38	20.31	18.20
13 CABARRUS	16	34.11	73	32.09	29.33
14 CALDWELL	7	20.21	28	16.21	19.21
15 CAMDEN	1	33.41	4	27.01	22.28
16 CARTERET	9	39.35	35	32.43	26.27
17 CASWELL	3	27.40	15	28.20	28.53
18 CATAWBA	13	23.04	67	24.36	24.69
19 CHATHAM	6	34.23	18	20.81	19.01
20 CHEROKEE	4	39.20	21	42.28	28.86
21 CHOWAN	4	58.98	15	44.73	38.99
22 CLAY	0	0.00	6	34.96	24.16
23 CLEVELAND	10	23.01	50	23.10	21.74
24 COLUMBUS	6	22.42	27	20.18	19.36
25 CRAVEN	11	30.26	40	22.69	26.89
26 CUMBERLAND	21	17.54	105	17.75	27.46
27 CURRITUCK	3	49.09	11	38.78	36.60
28 DARE	2	26.09	6	16.83	12.31
29 DAVIDSON	9	15.16	76	26.11	26.46
30 DAVIE	3	22.31	15	22.85	25.25
31 DUPLIN	8	37.37	32	29.99	27.99
32 DURHAM	20	23.85	124	30.13	30.68
33 EDGECOMBE	8	26.18	35	23.28	25.19
34 FORSYTH	44	33.07	181	27.78	26.81
35 FRANKLIN	4	24.72	25	31.64	25.83
36 GASTON	12	13.77	92	21.54	21.64
37 GATES	0	0.00	7	31.29	32.27
38 GRAHAM	2	56.03	2	11.19	9.08
39 GRANVILLE	9	50.04	35	40.13	34.44
40 GREENE	1	11.89	7	17.01	19.23
41 GUILFORD	62	36.46	244	29.04	29.14

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF FEMALE BREAST CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	11	38.07	42	29.10	27.00
43 HARNETT	8	25.38	31	20.04	20.28
44 HAYWOOD	9	37.11	39	32.33	28.50
45 HENDERSON	18	54.66	62	39.45	29.34
46 HERTFORD	2	16.21	11	17.94	18.89
47 HOKE	2	17.95	7	13.09	16.32
48 HYDE	4	131.83	7	45.87	35.91
49 IREDELL	13	29.62	56	25.91	24.51
50 JACKSON	3	21.80	17	25.39	29.04
51 JOHNSTON	7	18.47	44	23.67	22.09
52 JONES	3	57.79	9	35.01	34.68
53 LEE	6	29.92	24	24.77	24.79
54 LENOIR	12	37.58	46	29.09	28.24
55 LINCOLN	7	31.46	25	22.98	23.49
56 MCDOWELL	3	16.15	27	29.55	27.76
57 MACON	3	26.10	25	46.01	25.95
58 MADISON	2	23.20	11	25.35	18.15
59 MARTIN	9	65.24	27	39.28	33.05
60 MECKLENBURG	59	26.72	289	26.99	29.39
61 MITCHELL	1	13.67	15	40.64	27.30
62 MONTGOMERY	6	50.76	18	31.21	27.38
63 MOORE	8	29.27	53	40.01	33.16
64 NASH	6	16.53	47	26.27	25.05
65 NEW HANOVER	14	24.59	62	22.48	22.57
66 NORTHAMPTON	1	8.72	12	20.90	18.16
67 ONSLOW	1	2.06	33	14.18	23.50
68 ORANGE	8	19.24	35	17.24	23.80
69 PAMLICO	0	0.00	7	25.85	21.42
70 PASQUOTANK	4	26.92	27	36.56	34.03
71 PENDER	4	33.65	17	29.61	26.59
72 PERQUIMANS	1	19.74	8	32.00	30.23
73 PERSON	3	19.40	16	21.01	19.96
74 PITT	18	36.14	69	28.43	33.67
75 POLK	2	26.94	12	34.11	23.92
76 RANDOLPH	17	34.99	49	20.65	22.51
77 RICHMOND	9	38.35	29	24.52	23.04
78 ROBESON	12	21.99	57	21.23	26.87
79 ROCKINGHAM	17	38.55	60	27.41	24.95
80 ROWAN	17	32.51	72	27.90	23.40
81 RUTHERFORD	6	20.64	42	29.56	24.54
82 SAMPSON	8	30.86	34	26.39	22.98
83 SCOTLAND	7	40.28	25	29.27	31.31
84 STANLY	7	27.58	34	27.15	23.05
85 STOKES	1	5.69	17	19.76	17.67
86 SURRY	9	29.08	39	25.24	29.03
87 SWAIN	4	72.16	11	40.70	34.93
88 TRANSYLVANIA	4	32.13	17	28.04	20.07
89 TYRRELL	1	46.40	4	36.98	37.94
90 UNION	9	23.49	37	20.20	23.25
91 VANCE	5	25.52	26	26.92	25.44
92 WAKE	49	29.64	202	25.66	30.84
93 WARREN	2	23.92	15	35.34	37.31
94 WASHINGTON	2	26.69	7	18.56	17.22
95 WATAUGA	3	17.48	12	14.44	13.54
96 WAYNE	10	19.86	62	24.75	24.25
97 WILKES	7	22.95	35	23.18	21.51
98 WILSON	8	23.55	42	25.11	24.17
99 YADKIN	5	33.74	16	21.78	16.02
100 YANCEY	2	25.67	14	36.34	24.92

* SEE SECTION I

CANCER OF FEMALE BREAST

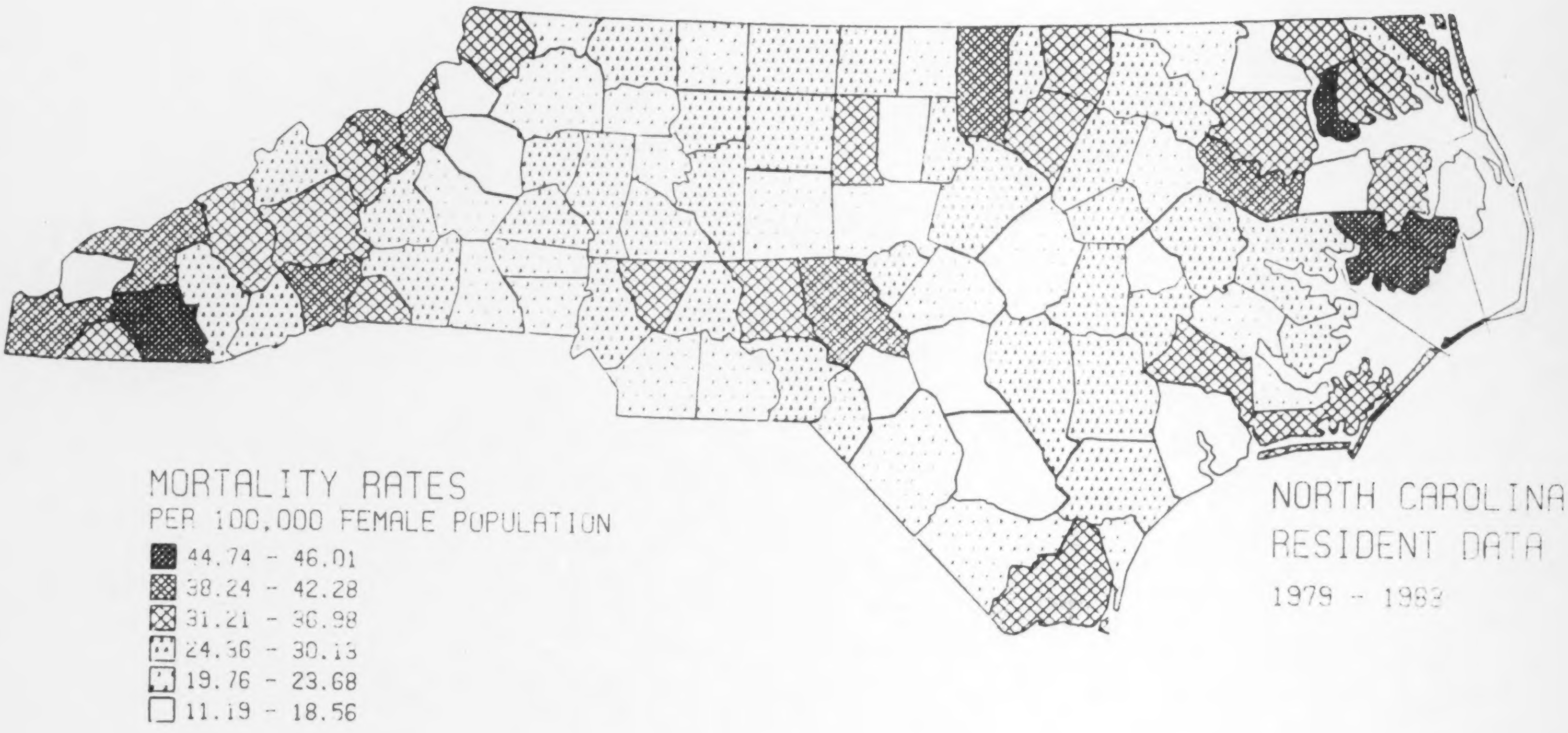

MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 44.74 - 46.01
▩ 38.24 - 42.28
▨ 31.21 - 36.98
⁙ 24.36 - 30.13
⁘ 19.76 - 23.68
☐ 11.19 - 18.56
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 14.A

CANCER OF FEMALE BREAST

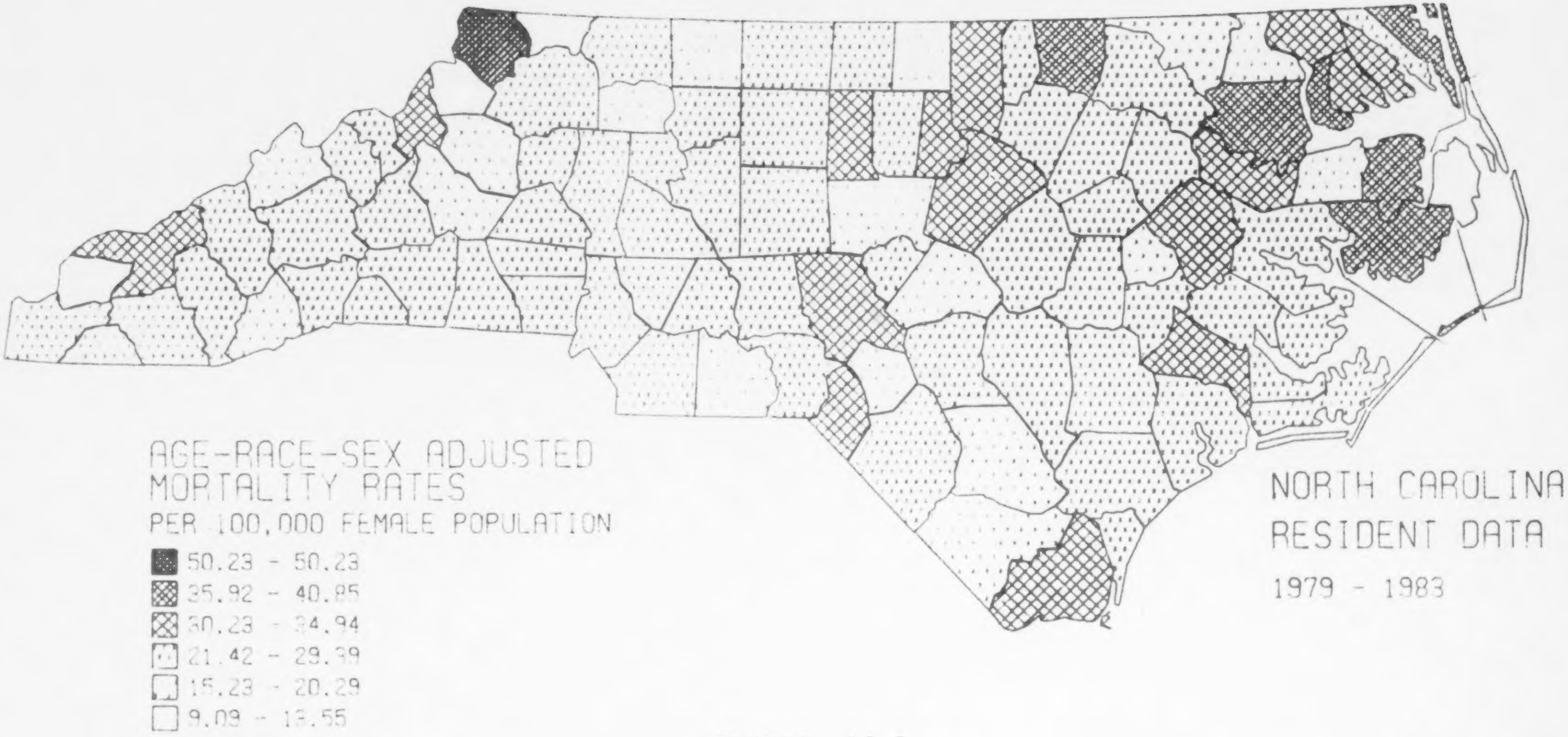

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
50.23 - 50.23
35.92 - 40.85
30.23 - 34.94
21.42 - 29.39
15.23 - 20.29
9.09 - 13.55
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 14.B

TABLE 15

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	155	4.95	757	4.94	4.94
REGIONS					
DHR I WESTERN	52	4.82	238	4.51	4.98
DHR II N. CENTRAL	33	4.89	164	4.94	4.87
DHR III S. CENTRAL	29	4.03	150	4.27	4.17
DHR IV EASTERN	41	6.23	205	6.36	5.62
HSA I WESTERN	28	5.18	135	5.08	5.75
HSA II PIEDMONT	27	4.52	142	4.84	5.01
HSA III S. PIEDMONT	24	4.47	103	3.93	4.26
HSA IV CAPITAL	17	3.83	87	4.04	3.81
HSA V CARDINAL	25	5.33	108	4.69	4.52
HSA VI EASTERN	34	6.27	182	6.84	5.97
COUNTIES					
1 ALAMANCE	3	5.63	9	3.43	3.30
2 ALEXANDER	0	0.00	2	3.11	2.29
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	2	14.43	5	7.33	4.90
5 ASHE	0	0.00	0	0.00	0.00
6 AVERY	0	0.00	0	0.00	0.00
7 BEAUFORT	3	13.62	9	8.32	7.95
8 BERTIE	1	8.90	7	12.52	8.43
9 BLADEN	2	12.67	7	8.87	7.35
10 BRUNSWICK	1	4.77	6	6.25	6.11
11 BUNCOMBE	7	8.09	29	6.79	6.39
12 BURKE	3	7.91	11	5.88	8.56
13 CABARRUS	2	4.26	7	3.07	3.14
14 CALDWELL	2	5.77	7	4.05	6.80
15 CAMDEN	1	33.41	2	13.50	13.73
16 CARTERET	1	4.37	11	10.19	12.47
17 CASWELL	1	9.13	3	5.64	4.33
18 CATAWBA	5	8.86	15	5.45	6.61
19 CHATHAM	0	0.00	3	3.46	3.13
20 CHEROKEE	1	9.80	1	2.01	1.59
21 CHOWAN	0	0.00	2	5.96	4.48
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	1	2.30	13	6.00	6.00
24 COLUMBUS	0	0.00	5	3.73	3.37
25 CRAVEN	1	2.75	7	3.97	4.04
26 CUMBERLAND	2	1.67	23	3.88	5.80
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	2.80	2.42
29 DAVIDSON	2	3.36	12	4.12	4.97
30 DAVIE	1	7.43	5	7.61	8.99
31 DUPLIN	3	14.01	6	5.62	5.53
32 DURHAM	2	2.38	20	4.86	3.78
33 EDGECOMBE	3	9.81	11	7.31	6.24
34 FORSYTH	6	4.51	34	5.21	4.79
35 FRANKLIN	0	0.00	1	1.26	1.42
36 GASTON	5	5.73	26	6.08	6.21
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	1	28.01	2	11.19	8.89
39 GRANVILLE	3	16.68	8	9.17	6.92
40 GREENE	1	11.89	6	14.58	9.90
41 GUILFORD	5	2.94	43	5.11	5.16

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF CERVIX UTERI CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	2	6.92	15	10.39	8.36
43 HARNETT	3	9.51	7	4.52	4.80
44 HAYWOOD	1	4.12	8	6.63	4.57
45 HENDERSON	2	6.07	5	3.18	2.26
46 HERTFORD	2	16.21	9	14.68	8.55
47 HOKE	1	8.97	3	5.61	5.16
48 HYDE	0	0.00	1	6.55	3.98
49 IREDELL	2	4.55	6	2.77	2.93
50 JACKSON	0	0.00	2	2.98	5.59
51 JOHNSTON	1	2.63	9	4.84	4.75
52 JONES	0	0.00	2	7.78	6.41
53 LEE	2	9.97	7	7.22	7.34
54 LENOIR	2	6.26	12	7.58	5.35
55 LINCOLN	0	0.00	4	3.67	4.99
56 MCDOWELL	0	0.00	6	6.56	5.23
57 MACON	0	0.00	3	5.52	3.03
58 MADISON	1	11.60	2	4.60	3.92
59 MARTIN	0	0.00	5	7.27	5.83
60 MECKLENBURG	11	4.98	43	4.01	4.11
61 MITCHELL	0	0.00	2	5.41	3.39
62 MONTGOMERY	2	16.92	5	8.67	8.72
63 MOORE	0	0.00	7	5.28	4.86
64 NASH	1	2.75	12	6.70	5.49
65 NEW HANOVER	5	8.78	9	3.26	3.19
66 NORTHAMPTON	3	26.18	7	12.19	4.18
67 ONSLOW	0	0.00	3	1.28	2.15
68 ORANGE	0	0.00	6	2.95	4.01
69 PAMLICO	0	0.00	2	7.38	4.07
70 PASQUOTANK	2	13.46	6	8.12	5.35
71 PENDER	1	8.41	3	5.22	3.82
72 PERQUIMANS	0	0.00	2	8.00	5.02
73 PERSON	1	6.46	3	3.94	3.63
74 PITT	3	6.02	13	5.35	5.02
75 POLK	0	0.00	2	5.68	4.33
76 RANDOLPH	3	6.17	8	3.37	6.32
77 RICHMOND	2	8.52	6	5.07	4.45
78 ROBESON	1	1.83	7	2.60	2.09
79 ROCKINGHAM	4	9.07	15	6.85	6.60
80 ROWAN	2	3.82	7	2.71	2.64
81 RUTHERFORD	1	3.44	7	4.92	5.16
82 SAMPSON	1	3.85	6	4.65	3.99
83 SCOTLAND	2	11.50	9	10.53	9.75
84 STANLY	1	3.94	2	1.59	3.18
85 STOKES	0	0.00	2	2.32	1.88
86 SURRY	2	6.46	10	6.47	5.00
87 SWAIN	1	18.04	4	14.80	14.75
88 TRANSYLVANIA	0	0.00	0	0.00	0.00
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	1	2.61	8	4.36	4.75
91 VANCE	2	10.20	9	9.32	7.39
92 WAKE	6	3.63	20	2.54	2.85
93 WARREN	0	0.00	1	2.35	0.55
94 WASHINGTON	0	0.00	1	2.65	1.62
95 WATAUGA	0	0.00	4	4.81	19.66
96 WAYNE	3	5.95	11	4.39	3.94
97 WILKES	2	6.55	9	5.96	4.86
98 WILSON	2	5.88	19	11.36	10.34
99 YADKIN	0	0.00	1	1.36	5.91
100 YANCEY	0	0.00	1	2.59	2.06

* SEE SECTION I

CANCER OF THE CERVIX UTERI

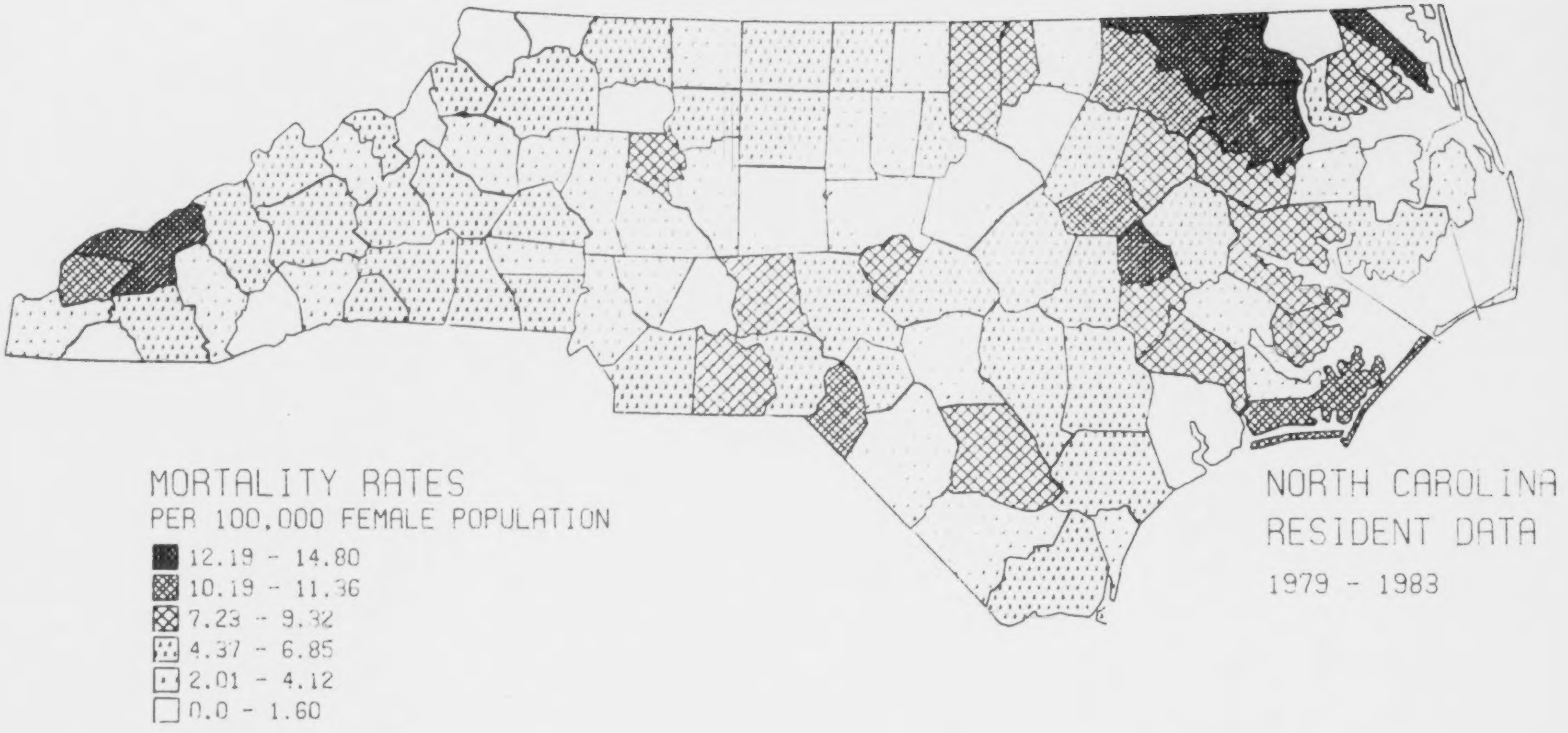

MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 12.19 - 14.80
▩ 10.19 - 11.36
▨ 7.23 - 9.32
▤ 4.37 - 6.85
⊡ 2.01 - 4.12
☐ 0.0 - 1.60
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 15.A

CANCER OF THE CERVIX UTERI

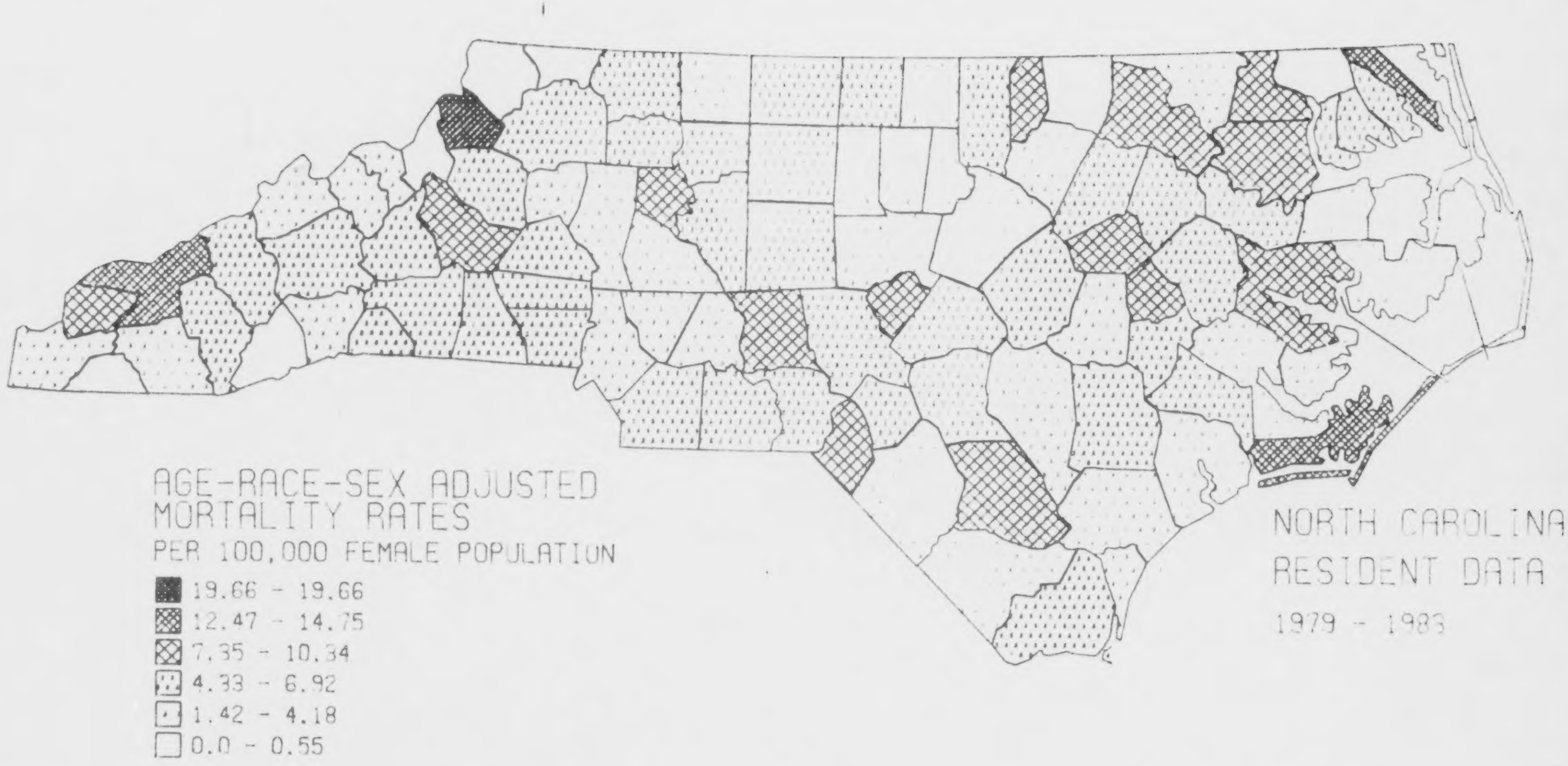

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 FEMALE POPULATION
19.66 - 19.66
12.47 - 14.75
7.35 - 10.34
4.33 - 6.92
1.42 - 4.18
0.0 - 0.55
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 15.B

TABLE 16

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF OVARY AND OTHER UTERINE ADNEXA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	245	7.83	1181	7.71	7.71
REGIONS					
DHR I WESTERN	81	7.51	426	8.08	7.72
DHR II N. CENTRAL	65	9.64	288	8.68	8.25
DHR III S. CENTRAL	44	6.12	202	5.75	6.61
DHR IV EASTERN	55	8.35	265	8.22	8.47
HSA I WESTERN	43	7.95	239	9.00	8.39
HSA II PIEDMONT	61	10.23	261	8.89	8.41
HSA III S. PIEDMONT	38	7.07	187	7.14	7.18
HSA IV CAPITAL	24	5.40	132	6.13	6.64
HSA V CARDINAL	30	6.39	146	6.34	7.19
HSA VI EASTERN	49	9.04	216	8.12	8.39
COUNTIES					
1 ALAMANCE	2	3.75	15	5.72	4.83
2 ALEXANDER	0	0.00	4	6.23	5.98
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	1	7.21	5	7.33	7.22
5 ASHE	0	0.00	5	8.64	6.05
6 AVERY	0	0.00	2	5.46	4.42
7 BEAUFORT	1	4.54	10	9.25	8.45
8 BERTIE	1	8.90	5	8.94	3.09
9 BLADEN	1	6.33	2	2.53	3.09
10 BRUNSWICK	3	14.33	14	14.60	14.90
11 BUNCOMBE	10	11.56	47	11.01	8.90
12 BURKE	0	0.00	11	5.88	7.21
13 CABARRUS	4	8.52	24	10.55	9.54
14 CALDWELL	3	8.66	11	6.36	7.26
15 CAMDEN	0	0.00	1	6.75	5.75
16 CARTERET	4	17.48	12	11.11	10.05
17 CASWELL	3	27.40	7	13.16	17.04
18 CATAWBA	4	7.09	19	6.90	7.29
19 CHATHAM	1	5.70	6	6.93	6.75
20 CHEROKEE	2	19.60	10	20.13	23.24
21 CHOWAN	0	0.00	3	8.94	7.54
22 CLAY	0	0.00	1	5.82	3.25
23 CLEVELAND	2	4.60	16	7.39	7.04
24 COLUMBUS	0	0.00	2	1.49	1.29
25 CRAVEN	1	2.75	11	6.24	8.97
26 CUMBERLAND	5	4.17	16	2.70	4.60
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	2.80	1.68
29 DAVIDSON	5	8.42	38	13.05	13.00
30 DAVIE	1	7.43	6	9.14	8.04
31 DUPLIN	2	9.34	12	11.24	9.92
32 DURHAM	5	5.96	24	5.83	5.50
33 EDGECOMBE	3	9.81	10	6.65	8.71
34 FORSYTH	18	13.53	69	10.59	10.47
35 FRANKLIN	2	12.36	5	6.32	7.01
36 GASTON	8	9.18	31	7.25	7.23
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	2	11.19	8.42
39 GRANVILLE	1	5.56	4	4.58	4.52
40 GREENE	0	0.00	2	4.86	4.30
41 GUILFORD	13	7.64	71	8.45	8.34

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF OVARY AND OTHER UTERINE ADNEXA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	1	3.46	10	6.92	7.19
43 HARNETT	1	3.17	8	5.17	5.11
44 HAYWOOD	1	4.12	12	9.94	6.53
45 HENDERSON	5	15.18	22	14.00	11.19
46 HERTFORD	2	16.21	8	13.05	9.50
47 HOKE	0	0.00	3	5.61	7.50
48 HYDE	0	0.00	1	6.55	7.17
49 IREDELL	0	0.00	11	5.09	4.28
50 JACKSON	2	14.53	8	11.95	13.59
51 JOHNSTON	5	13.19	15	8.07	7.64
52 JONES	1	19.26	1	3.89	5.27
53 LEE	1	4.98	8	8.25	8.25
54 LENOIR	2	6.26	21	13.28	11.34
55 LINCOLN	6	26.96	15	13.78	13.95
56 MCDOWELL	3	16.15	4	4.37	3.51
57 MACON	0	0.00	9	16.56	9.95
58 MADISON	0	0.00	4	9.21	6.78
59 MARTIN	1	7.24	3	4.36	4.42
60 MECKLENBURG	14	6.34	63	5.88	6.62
61 MITCHELL	2	27.35	4	10.83	6.89
62 MONTGOMERY	2	16.92	6	10.40	9.36
63 MOORE	3	10.97	11	8.30	7.18
64 NASH	3	8.26	8	4.47	4.25
65 NEW HANOVER	3	5.27	21	7.61	7.81
66 NORTHAMPTON	2	17.45	4	6.96	6.00
67 ONSLOW	8	16.49	23	9.88	19.40
68 ORANGE	2	4.81	7	3.44	4.89
69 PAMLICO	2	36.31	4	14.77	12.54
70 PASQUOTANK	0	0.00	7	9.47	9.19
71 PENDER	0	0.00	12	20.90	22.97
72 PERQUIMANS	0	0.00	2	8.00	4.99
73 PERSON	1	6.46	11	14.44	14.39
74 PITT	6	12.04	17	7.00	8.79
75 POLK	1	13.47	6	17.05	14.28
76 RANDOLPH	4	8.23	8	3.37	2.88
77 RICHMOND	3	12.78	13	10.99	10.19
78 ROBESON	6	10.99	16	5.96	8.20
79 ROCKINGHAM	7	15.87	20	9.13	8.34
80 ROWAN	2	3.82	21	8.14	6.48
81 RUTHERFORD	5	17.20	17	11.96	9.62
82 SAMPSON	2	7.71	12	9.31	9.08
83 SCOTLAND	0	0.00	5	5.85	6.29
84 STANLY	2	7.88	13	10.38	10.95
85 STOKES	1	5.69	4	4.65	6.40
86 SURRY	3	9.69	12	7.76	7.57
87 SWAIN	0	0.00	1	3.70	3.38
88 TRANSYLVANIA	1	8.03	4	6.59	4.60
89 TYRRELL	0	0.00	2	18.49	17.48
90 UNION	2	5.22	9	4.91	5.66
91 VANCE	0	0.00	3	3.10	2.20
92 WAKE	6	3.63	45	5.71	7.13
93 WARREN	0	0.00	4	9.42	8.57
94 WASHINGTON	1	13.34	2	5.30	3.29
95 WATAUGA	1	5.82	3	3.61	3.39
96 WAYNE	7	13.90	26	10.38	12.14
97 WILKES	1	3.27	11	7.28	7.91
98 WILSON	1	2.94	10	5.97	5.58
99 YADKIN	4	26.99	11	14.97	11.01
100 YANCEY	0	0.00	6	15.57	10.75

* SEE SECTION I

CANCER OF OVARY AND OTHER UTERINE ADNEXA

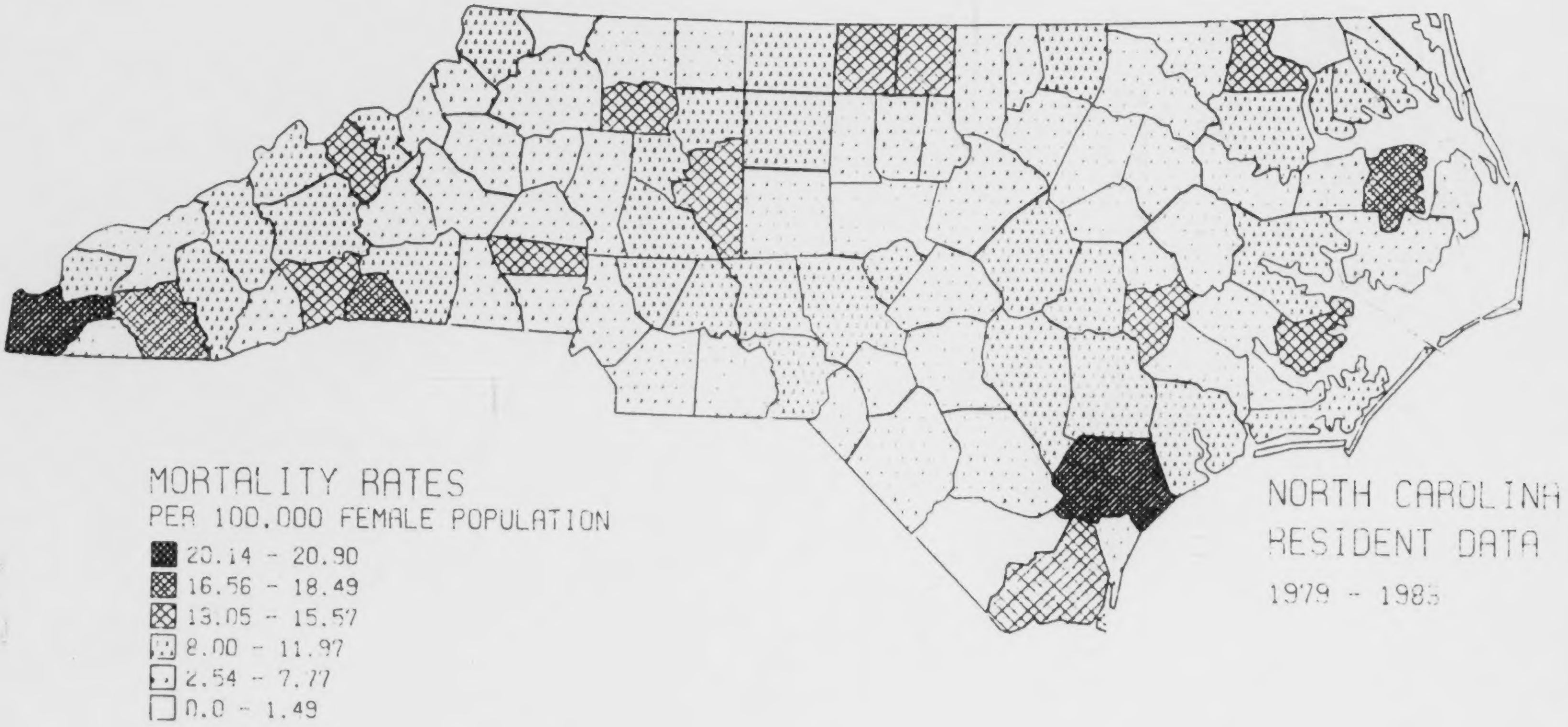

MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 20.14 - 20.90
▩ 16.56 - 18.49
▨ 13.05 - 15.57
⛶ 8.00 - 11.97
⛶ 2.54 - 7.77
☐ 0.0 - 1.49
NORTH CAROLINA
RESIDENT DATA
1979 - 1985

FIGURE 16.A

CANCER OF OVARY AND OTHER UTERINE ADNEXA

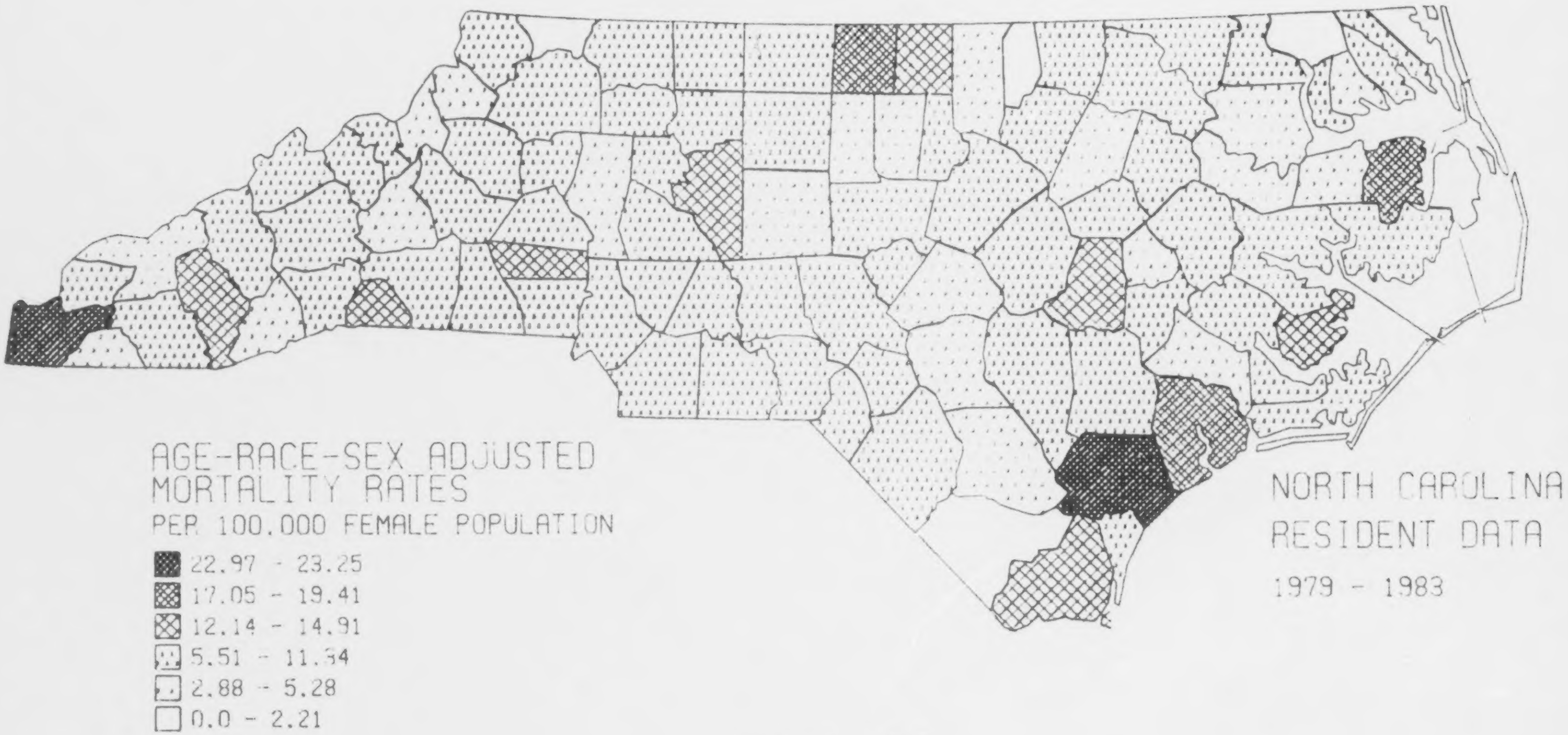

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
22.97 - 23.25
17.05 - 19.41
12.14 - 14.91
5.51 - 11.34
2.88 - 5.28
0.0 - 2.21
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 16.B

TABLE 17

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CANCER OF PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	640	21.66	3109	21.50	21.50
REGIONS					
DHR I WESTERN	219	21.75	1052	21.38	21.60
DHR II N. CENTRAL	134	21.58	685	22.46	21.70
DHR III S. CENTRAL	136	19.72	649	19.26	21.45
DHR IV EASTERN	151	23.69	723	23.19	21.86
HSA I WESTERN	121	23.86	566	22.72	21.05
HSA II PIEDMONT	119	21.72	585	21.73	21.99
HSA III S. PIEDMONT	98	19.62	486	20.00	21.91
HSA IV CAPITAL	80	19.26	402	20.02	20.25
HSA V CARDINAL	104	22.81	472	21.04	22.21
HSA VI EASTERN	118	22.30	598	23.04	21.87
COUNTIES					
1 ALAMANCE	10	20.80	48	20.21	18.69
2 ALEXANDER	2	15.44	12	18.97	17.96
3 ALLEGHANY	0	0.00	3	12.74	6.45
4 ANSON	2	16.31	15	24.88	14.96
5 ASHE	3	26.71	15	27.24	14.11
6 AVERY	3	40.69	13	35.51	25.82
7 BEAUFORT	9	44.95	26	26.53	19.66
8 BERTIE	3	29.70	18	35.90	26.18
9 BLADEN	3	20.27	17	22.97	16.69
10 BRUNSWICK	3	14.83	15	16.15	14.55
11 BUNCOMBE	23	29.46	112	29.09	25.25
12 BURKE	5	13.83	33	18.51	22.60
13 CABARRUS	6	13.80	31	14.73	14.97
14 CALDWELL	1	3.01	24	14.49	16.77
15 CAMDEN	3	104.60	10	71.13	52.65
16 CARTERET	6	26.45	29	27.13	27.66
17 CASWELL	3	27.85	15	28.83	21.88
18 CATAWBA	9	17.01	49	18.99	24.46
19 CHATHAM	3	17.67	16	19.15	14.94
20 CHEROKEE	3	31.68	19	41.15	21.52
21 CHOWAN	4	67.13	12	40.46	19.22
22 CLAY	0	0.00	1	5.92	2.32
23 CLEVELAND	10	24.85	44	21.92	21.44
24 COLUMBUS	10	40.40	35	28.32	25.25
25 CRAVEN	5	13.05	40	21.49	27.07
26 CUMBERLAND	12	9.16	70	10.69	22.49
27 CURRITUCK	0	0.00	8	26.90	25.11
28 DARE	1	13.05	4	11.27	7.26
29 DAVIDSON	11	19.48	41	14.78	16.58
30 DAVIE	4	30.45	12	18.81	18.71
31 DUPLIN	7	35.48	24	24.42	19.91
32 DURHAM	21	28.51	88	24.35	22.27
33 EDGECOMBE	10	37.35	42	31.85	26.74
34 FORSYTH	24	20.11	127	21.77	21.47
35 FRANKLIN	1	6.63	15	20.44	13.71
36 GASTON	9	11.24	76	19.35	22.23
37 GATES	0	0.00	5	22.34	15.30
38 GRAHAM	3	84.86	5	28.21	38.31*
39 GRANVILLE	5	27.90	25	28.95	20.35
40 GREENE	3	37.19	13	33.06	27.71
41 GUILFORD	36	23.52	187	24.83	25.49

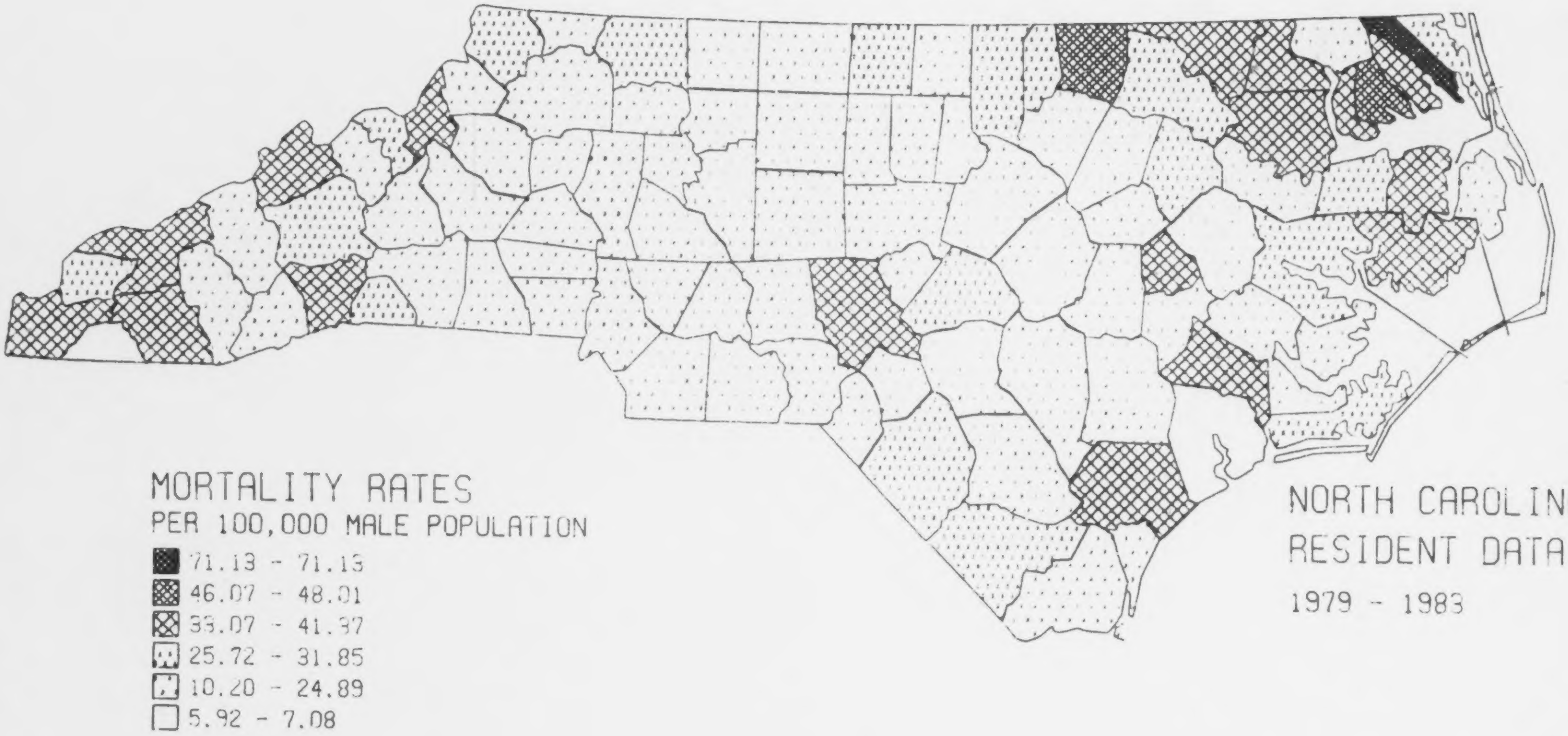
* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CANCER OF PROSTATE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	6	22.38	42	31.51	22.88
43 HARNETT	9	29.91	42	28.39	30.47
44 HAYWOOD	5	22.01	22	19.44	11.02
45 HENDERSON	11	36.24	49	33.87	25.17
46 HERTFORD	6	52.59	22	38.97	26.48
47 HOKE	4	37.18	6	11.58	17.74
48 HYDE	1	34.39	5	34.43	14.51
49 IREDELL	8	19.46	44	21.77	19.72
50 JACKSON	5	38.12	13	20.23	14.50
51 JOHNSTON	8	22.70	34	19.69	19.50
52 JONES	3	65.48	9	39.38	22.13
53 LEE	3	16.28	19	21.38	21.89
54 LENOIR	9	31.46	29	20.50	18.72
55 LINCOLN	5	23.38	17	16.25	20.02
56 MCDOWELL	6	34.23	11	12.76	9.00
57 MACON	9	83.16	19	37.04	34.12*
58 MADISON	3	35.98	15	35.92	19.68
59 MARTIN	3	24.05	13	20.94	15.80
60 MECKLENBURG	40	19.60	208	21.11	25.94
61 MITCHELL	3	43.04	10	28.48	14.42
62 MONTGOMERY	5	43.77	12	21.66	18.03
63 MOORE	13	50.79	44	35.59	23.90
64 NASH	6	18.17	32	19.71	18.46
65 NEW HANOVER	20	38.52	53	21.07	21.84
66 NORTHAMPTON	2	17.97	23	41.34	22.91
67 ONSLOW	2	2.86	24	7.07	22.69
68 ORANGE	7	18.37	26	13.97	16.84
69 PAMLICO	1	19.59	6	23.86	15.26
70 PASQUOTANK	4	29.01	23	33.62	29.21
71 PENDER	0	0.00	22	39.81	29.00
72 PERQUIMANS	3	64.66	11	48.00	25.72
73 PERSON	3	20.78	15	21.11	17.53
74 PITT	8	17.97	36	16.61	17.58
75 POLK	2	29.69	10	31.51	17.99
76 RANDOLPH	8	17.33	34	15.06	16.93
77 RICHMOND	3	13.86	23	21.16	18.21
78 ROBESON	10	19.98	76	30.97	27.91
79 ROCKINGHAM	6	14.70	48	23.78	22.27
80 ROWAN	18	36.69	58	23.95	20.01
81 RUTHERFORD	4	15.01	26	19.96	17.58
82 SAMPSON	7	29.00	29	24.22	17.56
83 SCOTLAND	3	18.79	13	16.61	18.43
84 STANLY	7	29.62	25	21.40	21.49
85 STOKES	7	41.50	20	24.17	32.22
86 SURRY	9	31.21	37	25.71	24.36
87 SWAIN	0	0.00	9	35.79	26.67
88 TRANSYLVANIA	0	0.00	6	10.19	6.39
89 TYRRELL	0	0.00	4	41.36	24.35*
90 UNION	5	13.62	27	15.34	17.83
91 VANCE	4	22.26	27	30.62	23.36
92 WAKE	23	14.40	119	15.70	21.99
93 WARREN	2	25.82	18	46.06	17.20
94 WASHINGTON	0	0.00	10	28.02	23.02
95 WATAUGA	1	6.05	13	16.35	12.25
96 WAYNE	6	12.60	47	19.82	22.99
97 WILKES	10	34.01	25	17.17	15.92
98 WILSON	7	23.08	31	20.74	16.90
99 YADKIN	1	6.96	16	22.60	18.70
100 YANCEY	0	0.00	8	21.72	11.22

* SEE SECTION I

CANCER OF THE PROSTATE


MORTALITY RATES
PER 100,000 MALE POPULATION
▩ 71.13 - 71.13
▩ 46.07 - 48.01
▩ 33.07 - 41.37
▨ 25.72 - 31.85
▨ 10.20 - 24.89
☐ 5.92 - 7.08

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 17.A

CANCER OF THE PROSTATE

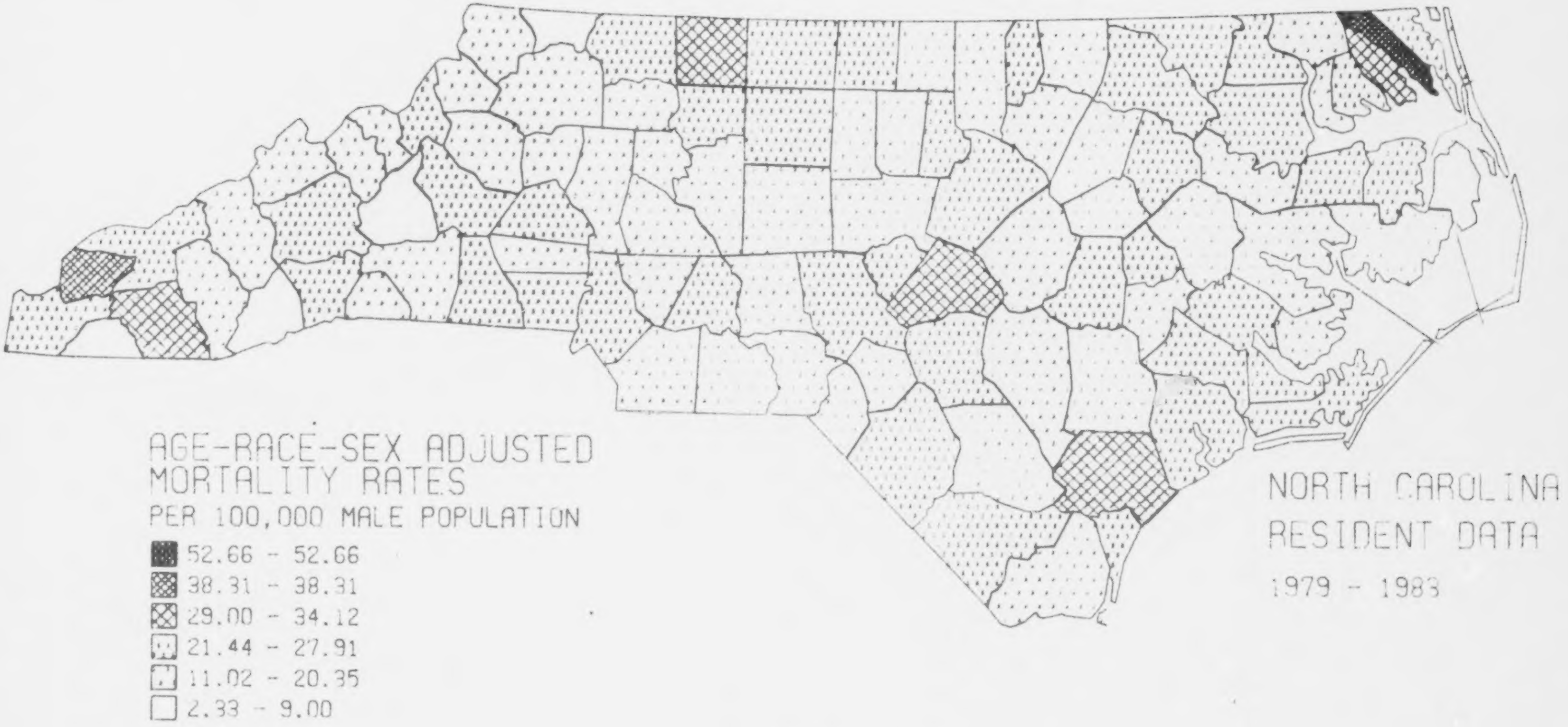

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 MALE POPULATION
52.66 - 52.66
38.31 - 38.31
29.00 - 34.12
21.44 - 27.91
11.02 - 20.35
2.33 - 9.00
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 17.B

TABLE 18

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
NORTH CAROLINA	371	6.10	1962	6.59	6.59
REGIONS					
DHR I WESTERN	136	6.52	704	6.90	6.50
DHR II N. CENTRAL	77	5.94	463	7.27	6.93
DHR III S. CENTRAL	75	5.32	376	5.46	6.26
DHR IV EASTERN	83	6.40	419	6.61	6.82
HSA I WESTERN	65	6.20	391	7.59	6.80
HSA II PIEDMONT	66	5.77	407	7.23	6.88
HSA III S. PIEDMONT	71	6.85	313	6.20	6.24
HSA IV CAPITAL	53	6.17	260	6.25	6.78
HSA V CARDINAL	40	4.32	238	5.23	5.86
HSA VI EASTERN	76	7.09	353	6.72	6.99
COUNTIES					
1 ALAMANCE	5	4.93	39	7.80	6.80
2 ALEXANDER	0	0.00	9	7.06	6.91
3 ALLEGHANY	0	0.00	3	6.16	3.50
4 ANSON	1	3.82	8	6.23	5.38
5 ASHE	1	4.34	8	7.08	4.87
6 AVERY	1	6.75	6	8.19	6.50
7 BEAUFORT	6	14.27	20	9.70	8.98
8 BERTIE	5	23.44	14	13.20	14.79
9 BLADEN	1	3.27	8	5.23	5.24
10 BRUNSWICK	0	0.00	5	2.64	2.51
11 BUNCOMBE	11	6.68	68	8.37	6.73
12 BURKE	4	5.40	23	6.29	6.98
13 CABARRUS	7	7.74	33	7.53	6.34
14 CALDWELL	5	7.37	17	5.02	4.43
15 CAMDEN	0	0.00	1	3.46	2.80
16 CARTERET	4	8.78	14	6.51	7.46
17 CASWELL	4	18.41	6	5.70	5.10
18 CATAWBA	7	6.40	43	8.06	8.42
19 CHATHAM	5	14.49	14	8.23	7.49
20 CHEROKEE	3	15.25	12	12.52	7.66
21 CHOWAN	1	7.84	5	7.91	8.43
22 CLAY	2	28.87	3	8.81	5.37
23 CLEVELAND	7	8.36	27	6.47	6.07
24 COLUMBUS	2	3.88	17	6.60	7.01
25 CRAVEN	6	8.03	24	6.62	7.25
26 CUMBERLAND	5	1.99	39	3.13	4.93
27 CURRITUCK	0	0.00	5	8.60	9.12
28 DARE	2	13.04	6	8.43	6.49
29 DAVIDSON	5	4.31	37	6.51	6.06
30 DAVIE	2	7.52	11	8.50	8.07
31 DUPLIN	2	4.86	15	7.31	6.46
32 DURHAM	10	6.35	49	6.34	6.30
33 EDGECOMBE	5	8.72	22	7.79	8.30
34 FORSYTH	11	4.35	77	6.23	6.22
35 FRANKLIN	5	16.00	13	8.53	9.15
36 GASTON	9	5.38	47	5.73	5.77
37 GATES	1	11.04	4	8.94	9.42
38 GRAHAM	1	14.07	2	5.61	3.80
39 GRANVILLE	1	2.78	13	7.49	7.29
40 GREENE	2	12.14	7	8.70	10.34
41 GUILFORD	21	6.50	120	7.53	7.49

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	3	5.38	18	6.48	6.03
43 HARNETT	4	6.49	13	4.29	4.59
44 HAYWOOD	3	6.38	23	9.83	10.61*
45 HENDERSON	3	4.74	26	8.61	7.46*
46 HERTFORD	2	8.42	11	9.34	8.96
47 HOKE	0	0.00	4	3.79	4.02
48 HYDE	0	0.00	1	3.35	2.60
49 IREDELL	5	5.88	30	7.17	6.63
50 JACKSON	0	0.00	6	4.57	3.67
51 JOHNSTON	1	1.36	28	7.81	7.64
52 JONES	0	0.00	4	8.23	6.98
53 LEE	2	5.19	12	6.46	6.24
54 LENOIR	4	6.60	22	7.34	7.20
55 LINCOLN	3	6.87	11	5.15	5.16
56 MCDOWELL	0	0.00	8	4.50	3.44
57 MACON	1	4.48	16	15.14	7.63
58 MADISON	0	0.00	3	3.52	2.60
59 MARTIN	4	15.22	12	9.17	7.69
60 MECKLENBURG	30	7.06	125	6.08	6.84
61 MITCHELL	2	14.00	5	6.94	4.22
62 MONTGOMERY	6	25.81	11	9.73	8.85
63 MOORE	2	3.77	17	6.63	5.28
64 NASH	4	5.77	22	6.44	6.48
65 NEW HANOVER	4	3.67	37	7.01	7.03
66 NORTHAMPTON	5	22.13	19	16.81	15.63
67 ONSLOW	5	4.22	17	2.97	5.81
68 ORANGE	5	6.27	20	5.14	6.79
69 PAMLICO	0	0.00	0	0.00	0.00
70 PASQUOTANK	4	13.96	14	9.84	9.89
71 PENDER	1	4.28	7	6.21	5.66
72 PERQUIMANS	0	0.00	4	8.34	8.16
73 PERSON	3	10.03	11	7.47	6.92
74 PITT	4	4.24	29	6.31	7.15
75 POLK	0	0.00	7	10.46	5.21
76 RANDOLPH	6	6.33	30	6.48	6.12
77 RICHMOND	4	8.86	19	8.37	7.99
78 ROBESON	4	3.82	31	6.03	8.20
79 ROCKINGHAM	5	5.88	34	8.08	7.17
80 ROWAN	6	5.92	27	5.39	4.51
81 RUTHERFORD	4	7.18	23	8.44	8.31
82 SAMPSON	5	9.98	19	7.64	7.10
83 SCOTLAND	1	2.99	3	1.83	1.60
84 STANLY	3	6.12	17	7.02	6.23
85 STOKES	1	2.90	15	8.88	7.82
86 SURRY	4	6.69	26	8.71	9.65
87 SWAIN	2	18.74	8	15.33	15.27
88 TRANSYLVANIA	1	4.08	7	5.85	4.17
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	6	10.66	23	6.40	7.60
91 VANCE	1	2.66	15	8.12	8.12
92 WAKE	19	5.84	81	5.24	6.57
93 WARREN	1	6.20	4	4.90	4.46
94 WASHINGTON	1	6.86	2	2.72	3.61
95 WATAUGA	2	5.94	12	7.38	5.91
96 WAYNE	5	5.10	22	4.51	5.34
97 WILKES	4	6.67	23	7.75	7.27
98 WILSON	1	1.55	19	5.99	6.59
99 YADKIN	2	6.85	12	8.32	6.06
100 YANCEY	1	6.56	3	3.98	2.53

* SEE SECTION I

LEUKEMIA

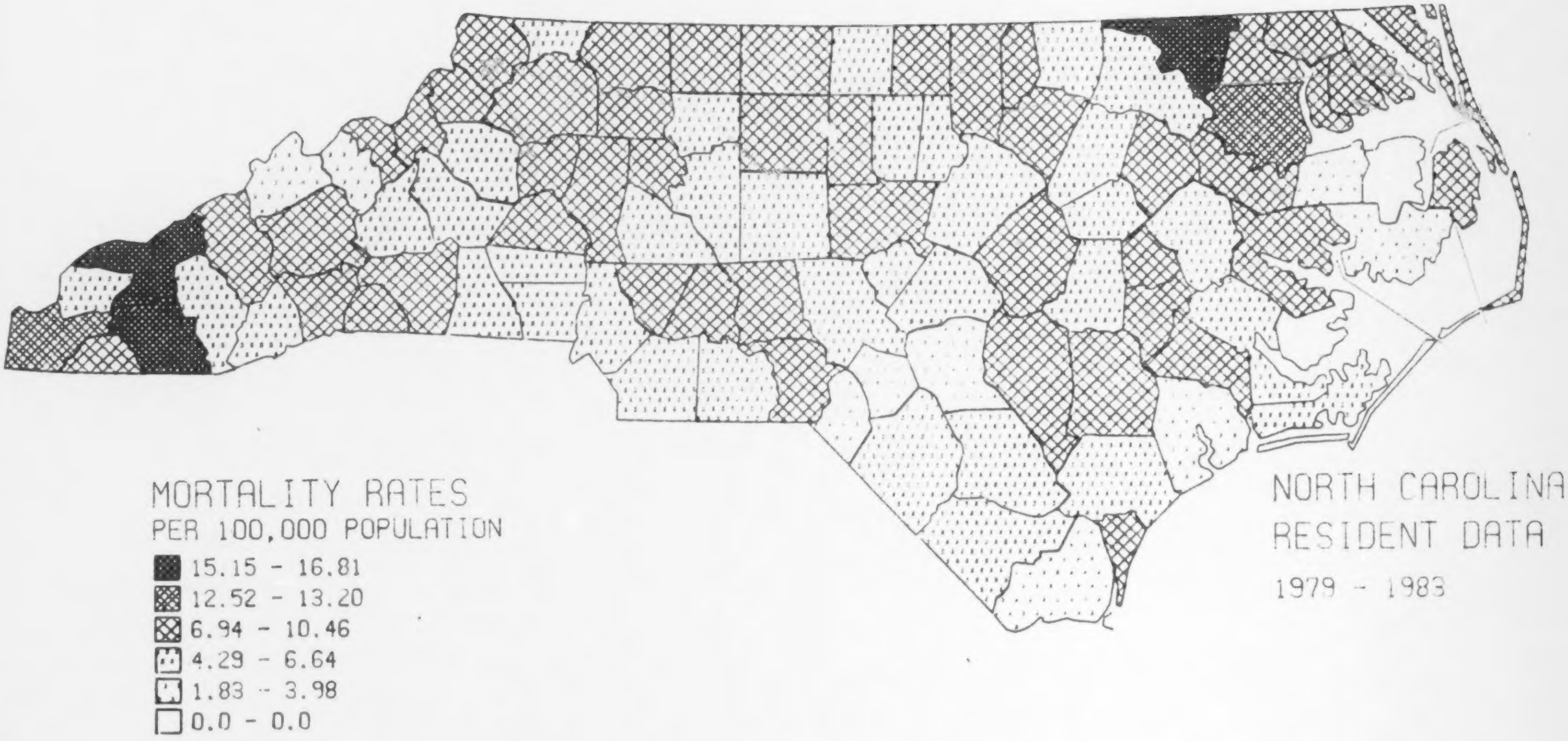

MORTALITY RATES
PER 100,000 POPULATION
▩ 15.15 - 16.81
▩ 12.52 - 13.20
▩ 6.94 - 10.46
▩ 4.29 - 6.64
▩ 1.83 - 3.98
☐ 0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 18.A

LEUKEMIA

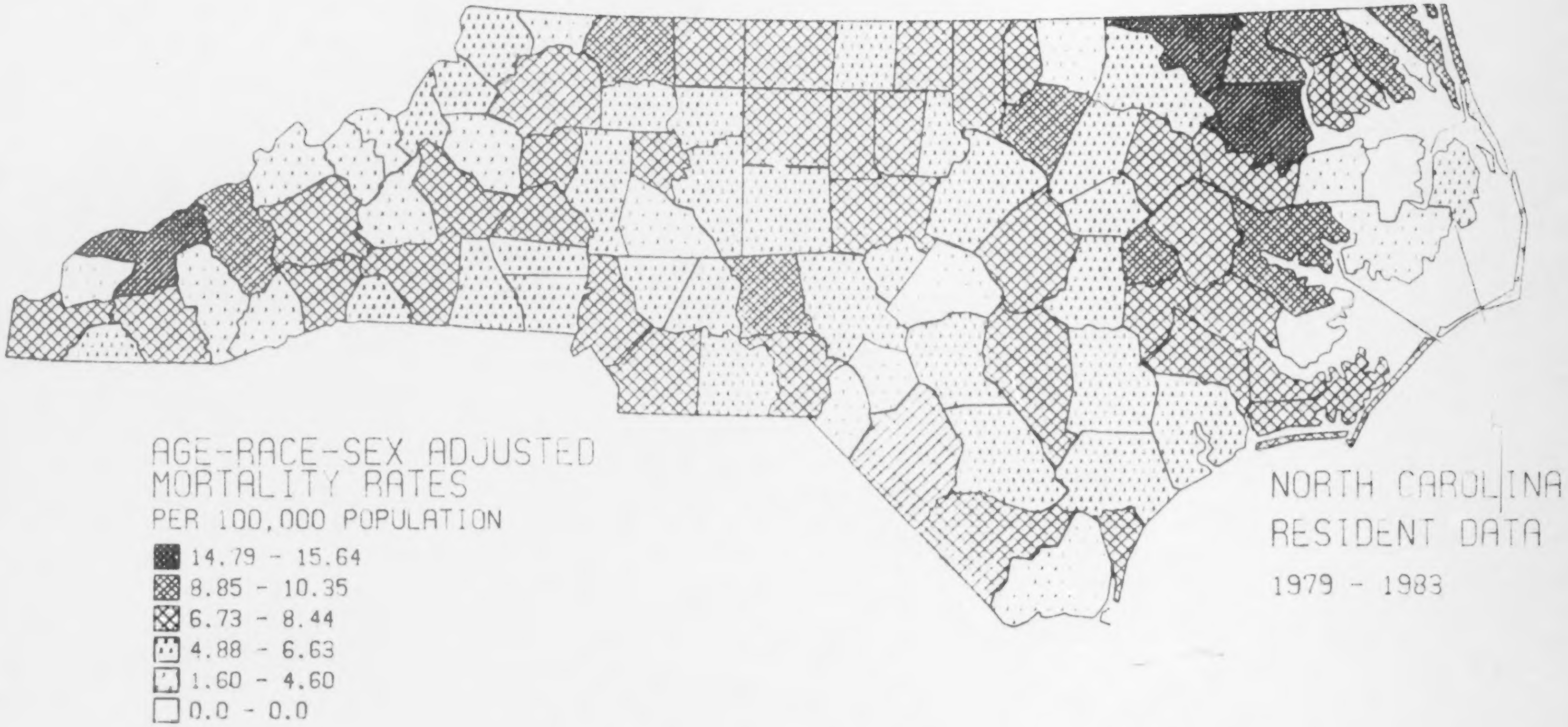

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
14.79 - 15.64
8.85 - 10.35
6.73 - 8.44
4.88 - 6.63
1.60 - 4.60
0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 18.B

TABLE 19

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	848	13.94	4098	13.76	13.76
REGIONS					
DHR I WESTERN	308	14.78	1378	13.52	14.18
DHR II N. CENTRAL	181	13.98	865	13.59	13.15
DHR III S. CENTRAL	172	12.21	903	13.12	14.11
DHR IV EASTERN	187	14.43	952	15.01	14.08
HSA I WESTERN	143	13.65	699	13.58	14.34
HSA II PIEDMONT	152	13.28	734	13.04	13.21
HSA III S. PIEDMONT	165	15.92	679	13.45	14.30
HSA IV CAPITAL	111	12.92	556	13.36	13.54
HSA V CARDINAL	118	12.75	622	13.69	13.98
HSA VI EASTERN	159	14.85	808	15.38	14.56
COUNTIES					
1 ALAMANCE	11	10.86	71	14.21	12.60
2 ALEXANDER	1	3.83	8	6.28	7.45
3 ALLEGHANY	1	10.17	3	6.16	3.50
4 ANSON	2	7.65	15	11.68	9.30
5 ASHE	4	17.36	23	20.37	12.49
6 AVERY	0	0.00	4	5.46	3.83
7 BEAUFORT	8	19.03	58	28.15	23.29
8 BERTIE	1	4.68	28	26.40	19.51
9 BLADEN	5	16.35	19	12.43	9.99
10 BRUNSWICK	4	9.72	16	8.47	8.26
11 BUNCOMBE	15	9.11	97	11.95	11.24
12 BURKE	11	14.85	51	13.96	17.53
13 CABARRUS	10	11.06	43	9.82	10.13
14 CALDWELL	22	32.43	88	26.01	31.99
15 CAMDEN	0	0.00	3	10.39	8.74
16 CARTERET	7	15.36	34	15.82	13.72
17 CASWELL	4	18.41	20	19.01	18.51
18 CATAWBA	20	18.29	72	13.50	16.61
19 CHATHAM	5	14.49	21	12.35	10.69
20 CHEROKEE	1	5.08	13	13.56	10.76
21 CHOWAN	0	0.00	8	12.66	7.51
22 CLAY	1	14.43	5	14.68	9.40
23 CLEVELAND	17	20.31	79	18.93	19.00
24 COLUMBUS	11	21.35	52	20.20	18.44
25 CRAVEN	9	12.05	31	8.55	9.25
26 CUMBERLAND	14	5.58	87	6.98	12.72
27 CURRITUCK	2	15.88	9	15.49	13.82
28 DARE	1	6.52	9	12.65	12.13
29 DAVIDSON	15	12.94	72	12.66	15.56
30 DAVIE	6	22.57	16	12.36	12.88
31 DUPLIN	12	29.17	53	25.85	20.40
32 DURHAM	20	12.70	115	14.88	13.39
33 EDGECOMBE	10	17.44	48	17.01	15.50
34 FORSYTH	30	11.88	162	13.12	12.63
35 FRANKLIN	9	28.80	29	19.03	15.42
36 GASTON	22	13.15	125	15.24	15.73
37 GATES	0	0.00	3	6.70	2.27
38 GRAHAM	2	28.15	5	14.04	46.73
39 GRANVILLE	7	19.49	32	18.43	15.46
40 GREENE	2	12.14	7	8.70	10.02
41 GUILFORD	43	13.30	190	11.92	12.02

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
DIABETES MELLITUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	12	21.54	69	24.85	18.09
43 HARNETT	14	22.72	60	19.82	21.03
44 HAYWOOD	0	0.00	26	11.12	7.05
45 HENDERSON	2	3.16	35	11.59	8.75
46 HERTFORD	5	21.06	25	21.23	14.28
47 HOKE	7	31.96	26	24.69	23.90
48 HYDE	2	33.66	8	26.86	16.41
49 IREDELL	18	21.18	75	17.93	17.81
50 JACKSON	2	7.44	13	9.90	13.42
51 JOHNSTON	8	10.94	61	17.01	16.68
52 JONES	1	10.23	8	16.47	12.14
53 LEE	9	23.39	37	19.92	19.86
54 LENOIR	5	8.26	44	14.68	12.75
55 LINCOLN	10	22.92	28	13.12	20.46
56 MCDOWELL	5	13.85	21	11.82	14.14
57 MACON	2	8.96	12	11.36	5.95
58 MADISON	4	23.59	12	14.09	9.30
59 MARTIN	9	34.26	30	22.93	18.21
60 MECKLENBURG	59	13.88	224	10.89	12.24
61 MITCHELL	3	21.00	8	11.11	6.94
62 MONTGOMERY	3	12.90	19	16.80	15.09
63 MOORE	4	7.55	32	12.49	10.39
64 NASH	15	21.64	41	12.01	11.49
65 NEW HANOVER	12	11.02	64	12.13	11.64
66 NORTHAMPTON	5	22.13	23	20.34	11.22
67 ONSLOW	5	4.22	33	5.77	14.17
68 ORANGE	8	10.04	34	8.73	10.84
69 PAMLICO	3	28.26	6	11.48	7.96
70 PASQUOTANK	6	20.94	19	13.35	10.88
71 PENDER	1	4.28	12	10.65	6.83
72 PERQUIMANS	1	10.30	5	10.43	5.93
73 PERSON	3	10.03	17	11.55	9.44
74 PITT	9	9.54	55	11.97	12.27
75 POLK	2	14.12	10	14.94	11.09
76 RANDOLPH	11	11.61	48	10.37	14.91
77 RICHMOND	7	15.52	35	15.42	13.49
78 ROBESON	18	17.20	101	19.65	20.54
79 ROCKINGHAM	8	9.42	63	14.97	14.15
80 ROWAN	23	22.69	109	21.79	20.35
81 RUTHERFORD	5	8.97	24	8.81	7.22
82 SAMPSON	12	23.97	47	18.91	15.13
83 SCOTLAND	4	11.99	37	22.61	24.59
84 STANLY	10	20.40	39	16.11	16.58
85 STOKES	3	8.71	16	9.48	10.04
86 SURRY	12	20.07	41	13.74	14.21
87 SWAIN	4	37.48	13	24.91	23.53
88 TRANSYLVANIA	4	16.32	15	12.55	13.40*
89 TYRRELL	0	0.00	5	24.40	23.84
90 UNION	13	17.33	36	10.02	11.82
91 VANCE	9	23.96	37	20.02	17.52
92 WAKE	32	9.84	157	10.16	12.90
93 WARREN	1	6.20	16	19.63	15.99
94 WASHINGTON	3	20.59	15	20.43	21.45
95 WATAUGA	5	14.85	17	10.45	12.96
96 WAYNE	9	9.18	66	13.53	14.52
97 WILKES	7	11.68	37	12.47	14.57
98 WILSON	17	26.44	65	20.52	19.91
99 YADKIN	9	30.84	35	24.26	20.69
100 YANCEY	3	19.69	8	10.61	29.77*

* SEE SECTION I

TABLE 20

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

PNEUMONIA AND INFLUENZA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	1394	22.92	6314	21.20	21.20
REGIONS					
DHR I WESTERN	559	26.82	2385	23.40	22.04
DHR II N. CENTRAL	299	23.09	1338	21.02	20.03
DHR III S. CENTRAL	266	18.88	1184	17.21	20.06
DHR IV EASTERN	270	20.84	1407	22.19	22.96
HSA I WESTERN	319	30.45	1338	26.00	21.96
HSA II PIEDMONT	256	22.38	1112	19.76	19.12
HSA III S. PIEDMONT	240	23.15	1047	20.74	21.74
HSA IV CAPITAL	184	21.42	839	20.16	21.52
HSA V CARDINAL	160	17.30	779	17.14	19.54
HSA VI EASTERN	235	21.95	1199	22.82	23.86
COUNTIES					
1 ALAMANCE	19	18.75	93	18.61	17.07
2 ALEXANDER	5	19.19	19	14.91	13.51
3 ALLEGHANY	6	61.05	24	49.33	29.77
4 ANSON	10	38.28	60	46.73	40.22
5 ASHE	8	34.72	22	19.48	10.65
6 AVERY	5	33.79	21	28.68	23.47
7 BEAUFORT	8	19.03	70	33.97	29.20
8 BERTIE	5	23.44	28	26.40	21.18
9 BLADEN	9	29.43	39	25.51	29.58
10 BRUNSWICK	9	21.87	28	14.83	15.68
11 BUNCOMBE	75	45.59	298	36.71	27.36
12 BURKE	20	27.00	87	23.81	26.65
13 CABARRUS	32	35.41	126	28.78	28.93
14 CALDWELL	12	17.69	57	16.85	18.61
15 CAMDEN	1	17.06	7	24.24	23.68
16 CARTERET	12	26.34	60	27.93	25.02
17 CASWELL	2	9.20	10	9.50	9.35
18 CATAWBA	24	21.95	77	14.44	16.48
19 CHATHAM	8	23.19	30	17.64	15.33
20 CHEROKEE	4	20.33	22	22.95	11.09
21 CHOWAN	3	23.54	22	34.81	25.39
22 CLAY	1	14.43	8	23.49	12.01
23 CLEVELAND	22	26.28	95	22.77	21.59
24 COLUMBUS	14	27.17	66	25.64	25.65
25 CRAVEN	11	14.73	47	12.96	17.89
26 CUMBERLAND	17	6.78	118	9.47	20.10
27 CURRITUCK	2	15.88	21	36.14	36.51
28 DARE	2	13.04	16	22.50	23.20
29 DAVIDSON	29	25.03	106	18.65	18.43
30 DAVIE	2	7.52	21	16.22	17.96
31 DUPLIN	10	24.31	25	12.19	10.47
32 DURHAM	45	28.57	188	24.32	23.27
33 EDGECOMBE	12	20.93	67	23.74	21.79
34 FORSYTH	45	17.83	226	18.30	17.59
35 FRANKLIN	9	28.80	38	24.93	22.18
36 GASTON	37	22.13	165	20.12	22.67
37 GATES	3	33.14	15	33.52	16.81
38 GRAHAM	1	14.07	5	14.04	8.74
39 GRANVILLE	11	30.64	69	39.75	39.22
40 GREENE	2	12.14	13	16.15	16.13
41 GUILFORD	71	21.97	310	19.45	19.04

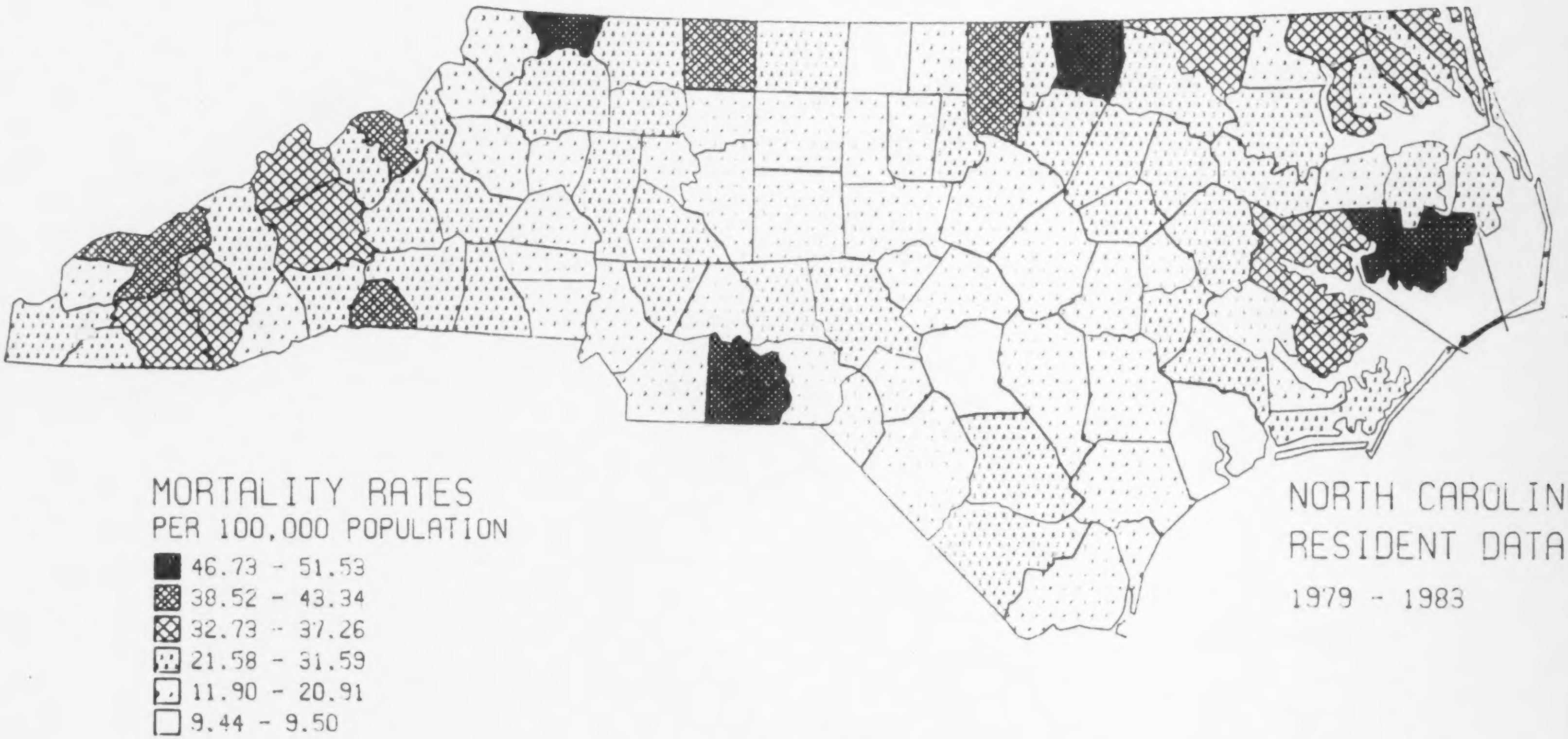
* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	16	28.72	83	29.90	25.10
43 HARNETT	5	8.11	40	13.21	14.39
44 HAYWOOD	14	29.81	65	27.80	17.34
45 HENDERSON	24	37.92	88	29.15	15.88
46 HERTFORD	6	25.27	23	19.53	14.95
47 HOKE	8	36.53	20	18.99	19.22
48 HYDE	4	67.32	14	47.01	37.95*
49 IREDELL	27	31.77	107	25.58	23.76
50 JACKSON	16	59.53	44	33.53	28.48
51 JOHNSTON	12	16.41	58	16.18	15.90
52 JONES	3	30.69	11	22.65	26.63
53 LEE	8	20.79	34	18.30	18.78
54 LENOIR	15	24.78	87	29.04	28.41
55 LINCOLN	10	22.92	30	14.05	17.66
56 MCDOWELL	8	22.16	45	25.34	20.05
57 MACON	9	40.33	38	35.97	29.04
58 MADISON	7	41.28	31	36.40	20.07
59 MARTIN	11	41.87	30	22.93	24.16
60 MECKLENBURG	77	18.12	361	17.56	20.38
61 MITCHELL	4	28.00	30	41.66	22.76
62 MONTGOMERY	6	25.81	33	29.19	24.03
63 MOORE	15	28.34	60	23.43	18.79
64 NASH	14	20.19	78	22.86	22.41
65 NEW HANOVER	9	8.27	94	17.82	18.60
66 NORTHAMPTON	6	26.56	37	32.73	24.91
67 ONSLOW	9	7.60	54	9.44	22.66
68 ORANGE	19	23.85	75	19.27	25.09
69 PAMLICO	9	84.80	19	36.38	31.05
70 PASQUOTANK	8	27.93	53	37.25	33.98
71 PENDER	3	12.85	20	17.75	14.58
72 PERQUIMANS	2	20.61	11	22.95	15.91
73 PERSON	6	20.07	21	14.26	13.27
74 PITT	20	21.20	109	23.73	28.25
75 POLK	4	28.25	29	43.34	25.32
76 RANDOLPH	22	23.22	69	14.90	17.37
77 RICHMOND	5	11.08	27	11.89	11.10
78 ROBESON	35	33.46	106	20.63	24.12
79 ROCKINGHAM	24	28.27	95	22.58	21.31
80 ROWAN	36	35.52	158	31.59	24.74
81 RUTHERFORD	20	35.90	73	26.81	21.83
82 SAMPSON	13	25.97	41	16.49	15.74
83 SCOTLAND	2	5.99	27	16.49	19.12
84 STANLY	10	20.40	43	17.76	16.03
85 STOKES	15	43.57	65	38.52	38.30
86 SURRY	18	30.11	85	28.48	20.04
87 SWAIN	4	37.48	21	40.25	25.85
88 TRANSYLVANIA	4	16.32	19	15.90	14.02
89 TYRRELL	2	48.91	5	24.40	20.89
90 UNION	11	14.66	57	15.87	18.23
91 VANCE	8	21.30	56	30.31	24.72
92 WAKE	49	15.07	228	14.76	19.95
93 WARREN	9	55.87	42	51.52	35.51
94 WASHINGTON	2	13.73	14	19.07	21.07
95 WATAUGA	8	23.76	34	20.91	16.19
96 WAYNE	22	22.45	96	19.69	22.81
97 WILKES	12	20.03	64	21.58	20.74
98 WILSON	15	23.33	84	26.52	29.39
99 YADKIN	9	30.84	32	22.18	16.44
100 YANCEY	2	13.12	22	29.19	16.04

* SEE SECTION I

INFLUENZA AND PNEUMONIA


MORTALITY RATES
PER 100,000 POPULATION
46.73 - 51.53
38.52 - 43.34
32.73 - 37.26
21.58 - 31.59
11.90 - 20.91
9.44 - 9.50

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 20.A

INFLUENZA AND PNEUMONIA

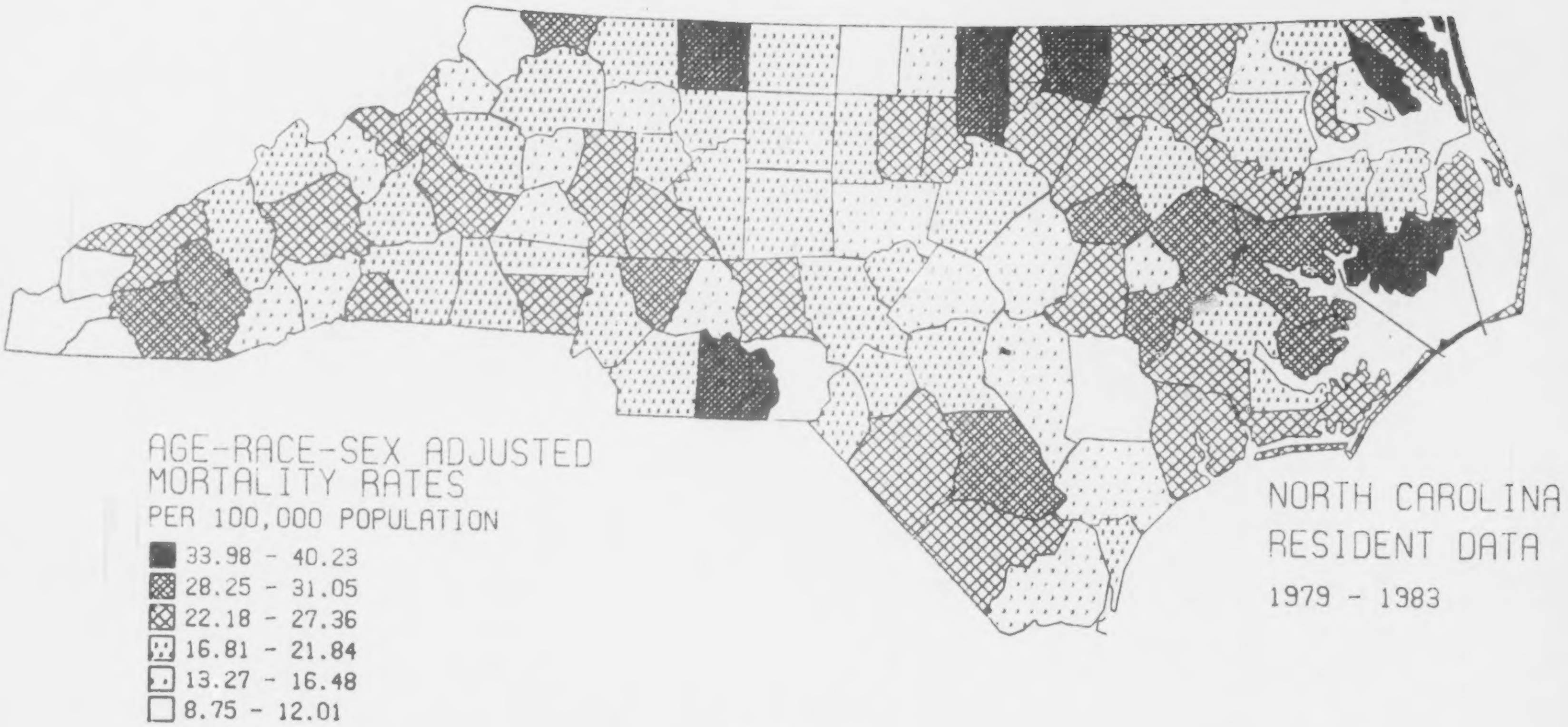

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 33.98 - 40.23
▩ 28.25 - 31.05
▨ 22.18 - 27.36
▦ 16.81 - 21.84
▫ 13.27 - 16.48
□ 8.75 - 12.01
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 20.B

TABLE 21

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	1496	24.59	6462	21.70	21.70
REGIONS					
DHR I WESTERN	531	25.48	2304	22.60	20.26
DHR II N. CENTRAL	349	26.95	1483	23.30	22.22
DHR III S. CENTRAL	295	20.94	1337	19.44	23.90
DHR IV EASTERN	321	24.78	1338	21.10	23.17
HSA I WESTERN	287	27.40	1312	25.49	20.63
HSA II PIEDMONT	314	27.45	1313	23.34	22.38
HSA III S. PIEDMONT	244	23.54	992	19.65	19.85
HSA IV CAPITAL	182	21.19	858	20.62	23.52
HSA V CARDINAL	217	23.46	890	19.59	23.27
HSA VI EASTERN	252	23.54	1097	20.88	23.32
COUNTIES					
1 ALAMANCE	24	23.69	112	22.41	19.52
2 ALEXANDER	3	11.51	21	16.48	20.64
3 ALLEGHANY	6	61.05	17	34.94	19.07
4 ANSON	7	26.79	25	19.47	19.65
5 ASHE	11	47.74	36	31.88	18.94
6 AVERY	6	40.55	31	42.34	41.04*
7 BEAUFORT	14	33.30	49	23.78	21.95
8 BERTIE	3	14.06	14	13.20	10.52
9 BLADEN	7	22.89	37	24.20	24.07
10 BRUNSWICK	13	31.59	41	21.72	19.73
11 BUNCOMBE	55	33.43	244	30.06	22.81
12 BURKE	22	29.70	78	21.35	20.33
13 CABARRUS	25	27.66	100	22.84	20.30
14 CALDWELL	13	19.16	70	20.69	21.76
15 CAMDEN	0	0.00	5	17.32	14.54
16 CARTERET	11	24.14	47	21.88	18.91
17 CASWELL	2	9.20	21	19.96	19.46
18 CATAWBA	28	25.61	98	18.38	18.78
19 CHATHAM	7	20.29	36	21.17	18.34
20 CHEROKEE	4	20.33	20	20.87	16.02
21 CHOWAN	3	23.54	14	22.15	18.95
22 CLAY	3	43.31	10	29.36	16.29
23 CLEVELAND	11	13.14	71	17.02	15.92
24 COLUMBUS	13	25.23	46	17.87	18.32
25 CRAVEN	12	16.07	66	18.21	24.51
26 CUMBERLAND	42	16.76	147	11.79	24.62
27 CURRITUCK	1	7.94	11	18.93	17.01
28 DARE	0	0.00	11	15.46	18.37
29 DAVIDSON	30	25.89	106	18.65	18.90
30 DAVIE	9	33.86	32	24.72	22.68
31 DUPLIN	15	36.46	55	26.83	25.14
32 DURHAM	31	19.68	172	22.25	24.68
33 EDGECOMBE	23	40.12	78	27.64	32.19
34 FORSYTH	77	30.51	311	25.18	25.50
35 FRANKLIN	7	22.40	32	21.00	20.23
36 GASTON	42	25.12	151	18.41	17.73
37 GATES	5	55.24	11	24.58	17.37
38 GRAHAM	1	14.07	7	19.66	12.60
39 GRANVILLE	9	25.06	41	23.62	21.34
40 GREENE	3	18.21	15	18.64	21.15
41 GUILFORD	89	27.54	348	21.84	22.11

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	16	28.72	71	25.57	25.30
43 HARNETT	21	34.09	67	22.14	24.12
44 HAYWOOD	17	36.20	83	35.50	33.37
45 HENDERSON	19	30.02	91	30.15	19.88
46 HERTFORD	9	37.91	29	24.63	28.49
47 HOKE	6	27.40	19	18.04	26.91
48 HYDE	2	33.66	4	13.43	10.67*
49 IREDELL	23	27.06	96	22.95	20.24
50 JACKSON	7	26.04	28	21.34	18.17
51 JOHNSTON	19	25.98	98	27.34	26.51
52 JONES	0	0.00	12	24.71	26.60
53 LEE	12	31.19	66	35.53	36.36
54 LENOIR	19	31.38	74	24.70	26.74
55 LINCOLN	5	11.46	31	14.52	12.73
56 MCDOWELL	12	33.24	58	32.66	24.16
57 MACON	6	26.89	27	25.56	11.77
58 MADISON	4	23.59	27	31.70	43.46*
59 MARTIN	4	15.22	28	21.40	20.06
60 MECKLENBURG	101	23.77	394	19.16	22.97
61 MITCHELL	12	84.02	35	48.60	28.84
62 MONTGOMERY	5	21.51	26	23.00	19.94
63 MOORE	16	30.23	89	34.75	25.66
64 NASH	19	27.41	96	28.13	29.64
65 NEW HANOVER	33	30.32	122	23.13	24.42
66 NORTHAMPTON	5	22.13	24	21.23	24.87
67 ONSLOW	12	10.13	45	7.87	19.58
68 ORANGE	10	12.55	59	15.16	20.04
69 PAMLICO	2	18.84	11	21.06	17.37
70 PASQUOTANK	8	27.93	34	23.90	23.62
71 PENDER	10	42.85	32	28.40	27.15
72 PERQUIMANS	1	10.30	7	14.61	9.64
73 PERSON	5	16.72	23	15.62	14.86
74 PITT	21	22.26	89	19.37	26.38
75 POLK	6	42.37	30	44.84	26.97
76 RANDOLPH	25	26.38	91	19.66	17.05
77 RICHMOND	7	15.52	62	27.32	25.78
78 ROBESON	17	16.25	93	18.10	25.31
79 ROCKINGHAM	25	29.44	109	25.91	23.13
80 ROWAN	24	23.68	108	21.59	16.91
81 RUTHERFORD	15	26.92	72	26.44	20.02
82 SAMPSON	10	19.97	54	21.72	20.14
83 SCOTLAND	10	29.99	30	18.33	23.56
84 STANLY	14	28.57	56	23.13	18.42
85 STOKES	8	23.23	46	27.26	27.14
86 SURRY	18	30.11	104	34.85	26.68
87 SWAIN	3	28.11	15	28.75	23.14
88 TRANSYLVANIA	2	8.16	26	21.76	16.40
89 TYRRELL	0	0.00	8	39.05	27.19
90 UNION	10	13.33	56	15.59	16.76
91 VANCE	10	26.62	54	29.23	27.06
92 WAKE	68	20.92	257	16.63	23.08
93 WARREN	4	24.83	20	24.53	19.96
94 WASHINGTON	4	27.46	10	13.62	14.60
95 WATAUGA	5	14.85	30	18.45	32.33
96 WAYNE	29	29.60	105	21.53	28.56
97 WILKES	13	21.70	63	21.24	21.97
98 WILSON	11	17.10	74	23.36	26.19
99 YADKIN	7	23.99	33	22.88	19.81
100 YANCEY	3	19.69	24	31.85	19.35

* SEE SECTION I

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

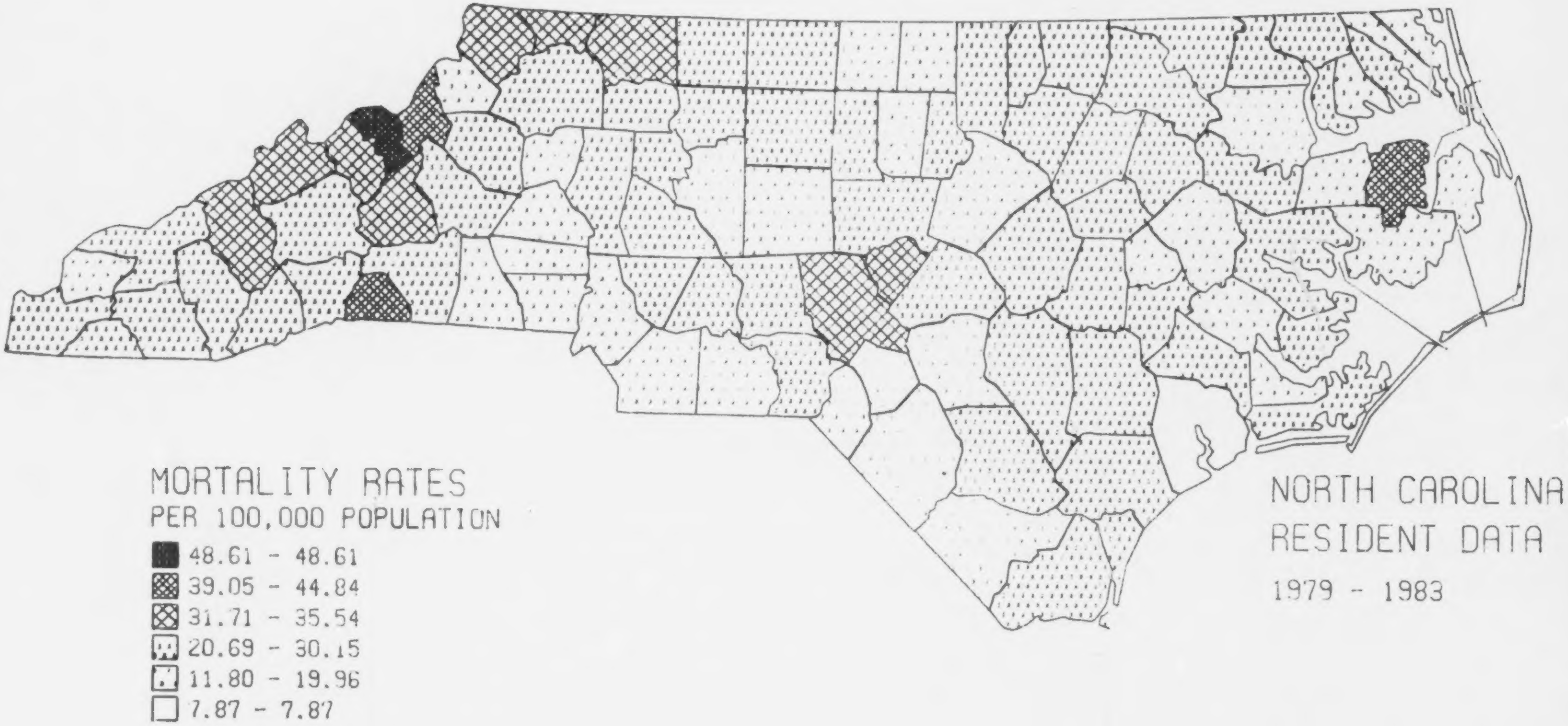

MORTALITY RATES
PER 100,000 POPULATION
■ 48.61 - 48.61
▩ 39.05 - 44.84
▨ 31.71 - 35.54
▦ 20.69 - 30.15
⬚ 11.80 - 19.96
☐ 7.87 - 7.87
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 21.A

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

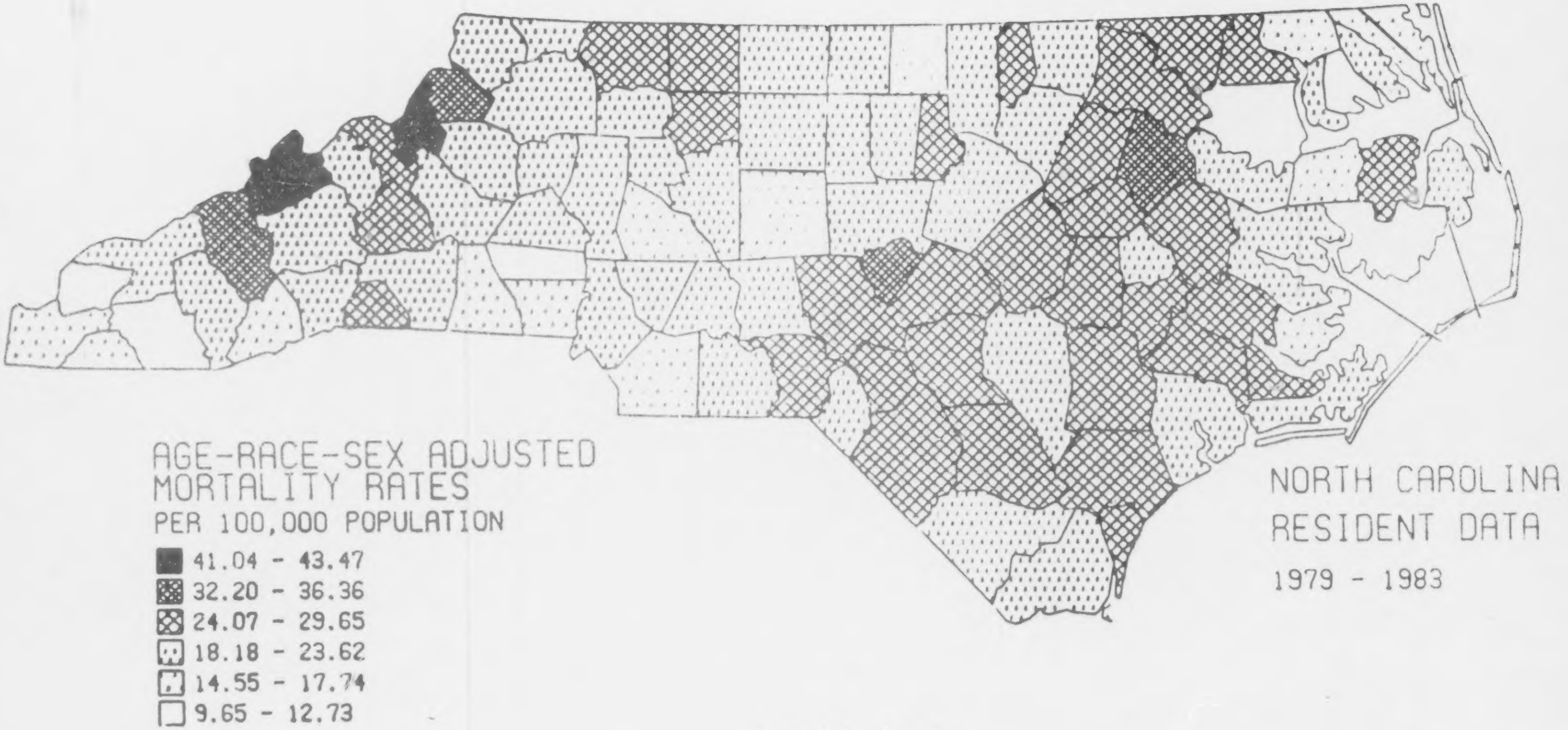

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 41.04 - 43.47
▩ 32.20 - 36.36
▨ 24.07 - 29.65
⚃ 18.18 - 23.62
⚀ 14.55 - 17.74
☐ 9.65 - 12.73
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 21.B

TABLE 22

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

CHRONIC LIVER DISEASE AND CIRRHOSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	558	9.17	3247	10.90	10.90
REGIONS					
DHR I WESTERN	186	8.92	1136	11.14	11.83
DHR II N. CENTRAL	113	8.72	703	11.04	10.62
DHR III S. CENTRAL	123	8.73	677	9.84	10.70
DHR IV EASTERN	136	10.49	731	11.53	11.79
HSA I WESTERN	92	8.78	540	10.49	11.74
HSA II PIEDMONT	103	9.00	598	10.63	10.44
HSA III S. PIEDMONT	94	9.07	596	11.81	12.14
HSA IV CAPITAL	73	8.49	423	10.16	10.56
HSA V CARDINAL	88	9.51	490	10.78	11.54
HSA VI EASTERN	108	10.08	600	11.42	11.85
COUNTIES					
1 ALAMANCE	5	4.93	38	7.60	6.49
2 ALEXANDER	1	3.83	13	10.20	12.16
3 ALLEGHANY	2	20.35	6	12.33	8.73
4 ANSON	4	15.31	18	14.01	15.08
5 ASHE	1	4.34	3	2.65	1.97
6 AVERY	1	6.75	5	6.82	22.47*
7 BEAUFORT	7	16.65	27	13.10	12.23
8 BERTIE	1	4.68	15	14.14	18.41
9 BLADEN	2	6.54	8	5.23	5.59
10 BRUNSWICK	3	7.29	14	7.41	6.89
11 BUNCOMBE	22	13.37	101	12.44	12.92
12 BURKE	3	4.05	31	8.48	9.49
13 CABARRUS	3	3.32	40	9.13	9.74
14 CALDWELL	4	5.89	44	13.00	14.78
15 CAMDEN	1	17.06	3	10.39	11.76
16 CARTERET	3	6.58	27	12.56	10.60
17 CASWELL	1	4.60	6	5.70	5.08
18 CATAWBA	12	10.97	78	14.63	17.54
19 CHATHAM	7	20.29	16	9.41	8.14
20 CHEROKEE	3	15.25	11	11.47	7.89
21 CHOWAN	2	15.69	6	9.49	7.89
22 CLAY	1	14.43	3	8.81	5.63
23 CLEVELAND	10	11.94	36	8.63	8.43
24 COLUMBUS	3	5.82	21	8.16	8.07
25 CRAVEN	11	14.73	41	11.31	14.19
26 CUMBERLAND	18	7.18	103	8.26	12.08
27 CURRITUCK	2	15.88	5	8.60	7.24
28 DARE	0	0.00	8	11.25	7.06
29 DAVIDSON	4	3.45	46	8.09	8.50
30 DAVIE	2	7.52	13	10.04	8.31
31 DUPLIN	2	4.86	25	12.19	10.35
32 DURHAM	13	8.25	77	9.96	10.27
33 EDGECOMBE	7	12.21	29	10.27	10.67
34 FORSYTH	29	11.49	167	13.52	12.83
35 FRANKLIN	3	9.60	21	13.78	13.79
36 GASTON	19	11.36	100	12.19	12.41
37 GATES	1	11.04	2	4.47	6.55
38 GRAHAM	1	14.07	4	11.23	21.85
39 GRANVILLE	0	0.00	20	11.52	12.30
40 GREENE	1	6.07	5	6.21	7.21
41 GUILFORD	29	8.97	181	11.36	11.16

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	12	21.54	51	18.37	15.59
43 HARNETT	6	9.74	42	13.87	14.77
44 HAYWOOD	4	8.51	26	11.12	11.39
45 HENDERSON	8	12.64	43	14.24	16.83
46 HERTFORD	1	4.21	15	12.74	15.44
47 HOKE	3	13.70	12	11.39	15.01
48 HYDE	0	0.00	1	3.35	3.33
49 IREDELL	5	5.88	53	12.67	12.53
50 JACKSON	3	11.16	13	9.90	13.83
51 JOHNSTON	9	12.30	32	8.92	9.03
52 JONES	0	0.00	3	6.17	4.86
53 LEE	7	18.19	20	10.76	10.51
54 LENOIR	7	11.56	40	13.35	13.09
55 LINCOLN	5	11.46	19	8.90	9.08
56 MCDOWELL	1	2.77	11	6.19	4.70
57 MACON	0	0.00	7	6.62	3.64
58 MADISON	1	5.89	6	7.04	4.41
59 MARTIN	2	7.61	13	9.93	10.13
60 MECKLENBURG	45	10.59	276	13.42	13.65
61 MITCHELL	0	0.00	6	8.33	5.59
62 MONTGOMERY	1	4.30	12	10.61	9.92
63 MOORE	8	15.11	47	18.35	15.87
64 NASH	7	10.09	45	13.18	12.53
65 NEW HANOVER	17	15.62	78	14.79	14.79
66 NORTHAMPTON	1	4.42	9	7.96	5.57
67 ONSLOW	8	6.75	34	5.94	11.88
68 ORANGE	1	1.25	22	5.65	7.54
69 PAMLICO	3	28.26	9	17.23	13.89
70 PASQUOTANK	1	3.49	12	8.43	7.76
71 PENDER	5	21.42	18	15.97	14.24
72 PERQUIMANS	0	0.00	3	6.26	7.07
73 PERSON	2	6.69	20	13.58	12.56
74 PITT	4	4.24	36	7.83	8.92
75 POLK	2	14.12	10	14.94	20.29
76 RANDOLPH	7	7.38	37	7.99	10.01
77 RICHMOND	4	8.86	23	10.13	9.17
78 ROBESON	6	5.73	48	9.34	9.77
79 ROCKINGHAM	12	14.13	56	13.31	12.42
80 ROWAN	9	8.88	65	12.99	12.89
81 RUTHERFORD	4	7.18	21	7.71	8.01
82 SAMPSON	4	7.99	26	10.46	9.81
83 SCOTLAND	4	11.99	20	12.22	12.39
84 STANLY	2	4.09	22	9.09	8.68
85 STOKES	3	8.71	9	5.33	4.45
86 SURRY	9	15.05	29	9.71	7.51
87 SWAIN	0	0.00	9	17.25	16.18
88 TRANSYLVANIA	1	4.08	13	10.88	10.91
89 TYRRELL	0	0.00	2	9.76	10.10
90 UNION	6	7.99	21	5.84	6.77
91 VANCE	3	7.98	33	17.86	15.18
92 WAKE	26	8.00	151	9.77	11.52
93 WARREN	2	12.41	11	13.49	12.68
94 WASHINGTON	0	0.00	11	14.98	17.93
95 WATAUGA	3	8.91	15	9.22	8.81
96 WAYNE	13	13.27	71	14.56	15.39
97 WILKES	3	5.00	19	6.40	9.65
98 WILSON	11	17.10	52	16.42	15.41
99 YADKIN	2	6.85	16	11.09	16.46
100 YANCEY	1	6.56	6	7.96	14.74

* SEE SECTION I

CHRONIC LIVER DISEASE AND CIRRHOSIS

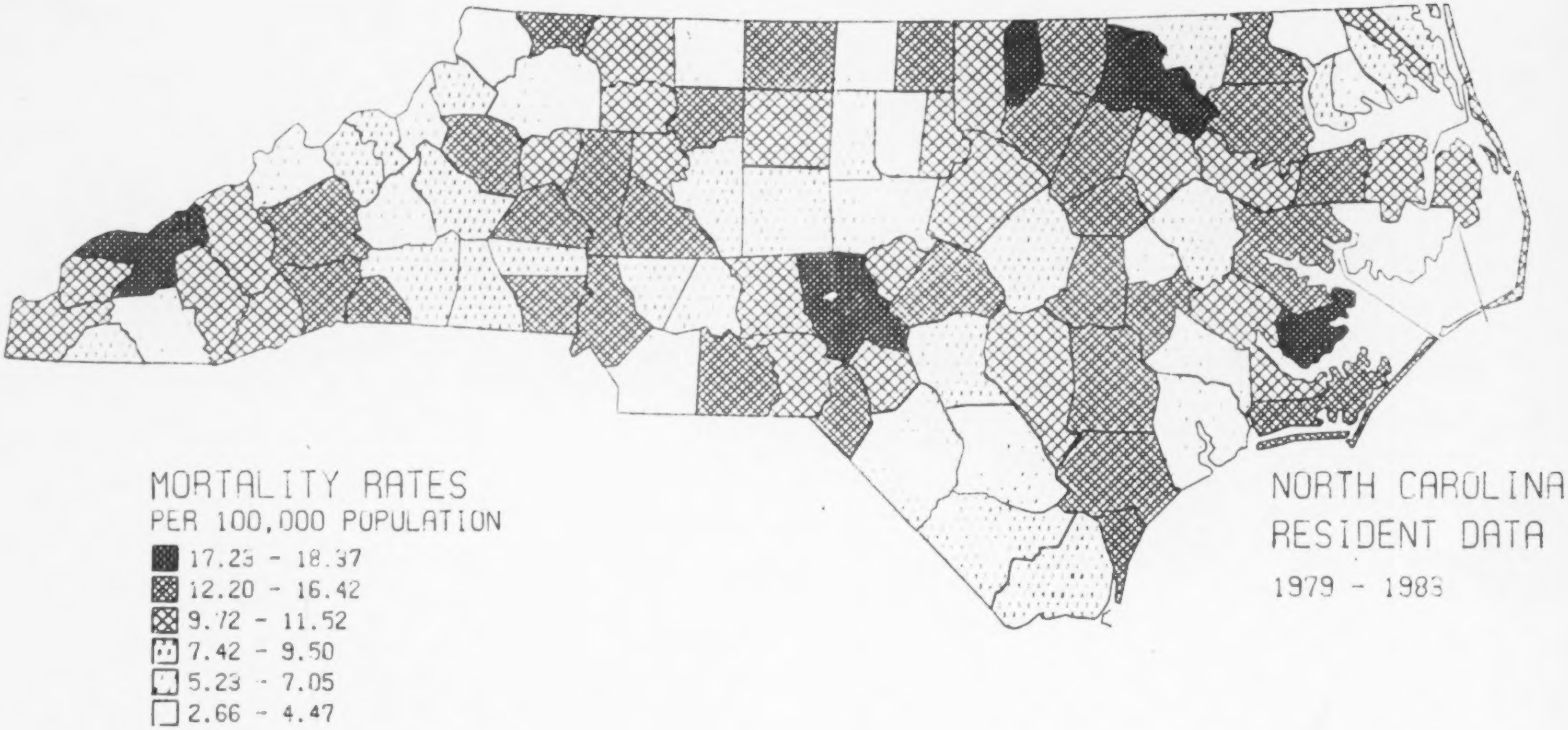

MORTALITY RATES
PER 100,000 POPULATION
▩ 17.23 - 18.37
▩ 12.20 - 16.42
▩ 9.72 - 11.52
▨ 7.42 - 9.50
▨ 5.23 - 7.05
☐ 2.66 - 4.47
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 22.A

CHRONIC LIVER DISEASE AND CIRRHOSIS

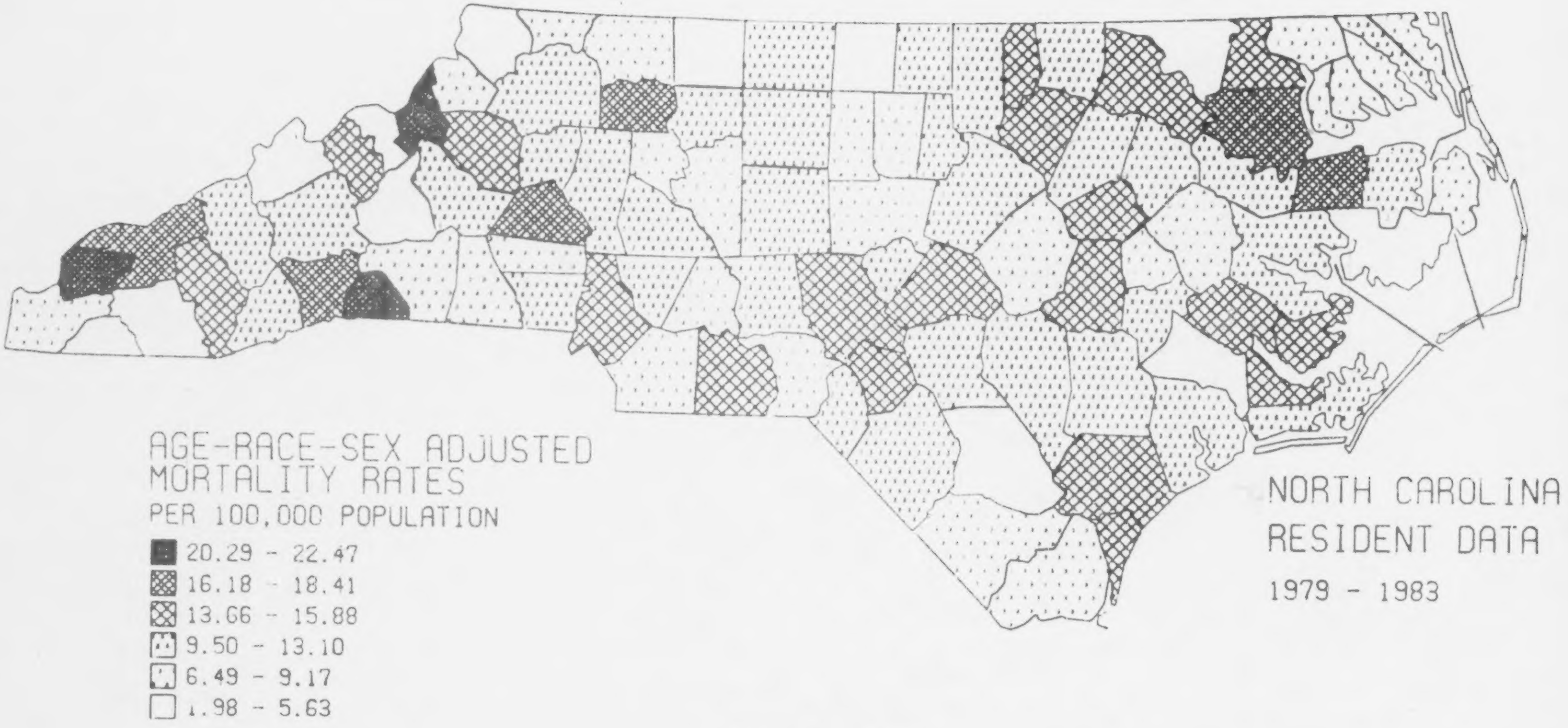

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
20.29 - 22.47
16.18 - 18.41
13.66 - 15.88
9.50 - 13.10
6.49 - 9.17
1.98 - 5.63
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 22.B

TABLE 23

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	542	8.91	2490	8.36	8.36
REGIONS					
DHR I WESTERN	179	8.59	819	8.03	8.42
DHR II N. CENTRAL	103	7.95	523	8.21	8.04
DHR III S. CENTRAL	120	8.52	563	8.18	8.71
DHR IV EASTERN	140	10.80	585	9.22	8.47
HSA I WESTERN	91	8.68	381	7.40	7.28
HSA II PIEDMONT	85	7.43	417	7.41	7.56
HSA III S. PIEDMONT	88	8.49	438	8.67	9.42
HSA IV CAPITAL	73	8.49	379	9.11	8.97
HSA V CARDINAL	87	9.40	368	8.10	8.31
HSA VI EASTERN	118	11.02	507	9.65	8.82
COUNTIES					
1 ALAMANCE	7	6.91	31	6.20	5.86
2 ALEXANDER	3	11.51	15	11.77	12.73
3 ALLEGHANY	1	10.17	9	18.50	13.60*
4 ANSON	5	19.14	21	16.35	11.44
5 ASHE	1	4.34	8	7.08	3.96
6 AVERY	0	0.00	4	5.46	4.28
7 BEAUFORT	5	11.89	16	7.76	6.24
8 BERTIE	5	23.44	19	17.91	9.29
9 BLADEN	10	32.70	27	17.66	12.93
10 BRUNSWICK	2	4.86	9	4.76	4.73
11 BUNCOMBE	10	6.07	52	6.40	5.75
12 BURKE	5	6.75	22	6.02	5.79
13 CABARRUS	7	7.74	40	9.13	8.99
14 CALDWELL	7	10.32	28	8.27	11.30
15 CAMDEN	1	17.06	4	13.85	10.07
16 CARTERET	2	4.39	19	8.84	11.17
17 CASWELL	2	9.20	8	7.60	5.24
18 CATAWBA	12	10.97	31	5.81	7.24
19 CHATHAM	2	5.79	13	7.64	6.76
20 CHEROKEE	1	5.08	5	5.21	2.59
21 CHOWAN	2	15.69	11	17.40	8.72
22 CLAY	2	28.87	3	8.81	3.92
23 CLEVELAND	7	8.36	30	7.19	7.00
24 COLUMBUS	6	11.64	30	11.65	10.52
25 CRAVEN	7	9.37	35	9.65	11.38
26 CUMBERLAND	9	3.59	43	3.45	5.95
27 CURRITUCK	1	7.94	3	5.16	5.35
28 DARE	2	13.04	7	9.84	12.77
29 DAVIDSON	18	15.53	53	9.32	10.43
30 DAVIE	3	11.28	9	6.95	6.93
31 DUPLIN	6	14.58	19	9.27	8.16
32 DURHAM	18	11.43	89	11.51	9.63
33 EDGECOMBE	7	12.21	23	8.15	6.58
34 FORSYTH	16	6.34	97	7.85	7.48
35 FRANKLIN	2	6.40	26	17.06	11.88
36 GASTON	18	10.76	73	8.90	11.61
37 GATES	3	33.14	6	13.41	8.96
38 GRAHAM	0	0.00	2	5.61	4.30
39 GRANVILLE	8	22.28	30	17.28	13.61
40 GREENE	0	0.00	4	4.97	6.17
41 GUILFORD	15	4.64	98	6.15	6.24

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	5	8.97	28	10.08	9.14
43 HARNETT	6	9.74	29	9.58	9.79
44 HAYWOOD	6	12.77	20	8.55	5.49
45 HENDERSON	4	6.32	18	5.96	4.28
46 HERTFORD	5	21.06	16	13.58	9.83
47 HOKE	2	9.13	11	10.44	9.26
48 HYDE	1	16.83	6	20.14	18.47
49 IREDELL	8	9.41	33	7.89	8.05
50 JACKSON	4	14.88	9	6.86	11.16
51 JOHNSTON	7	9.57	40	11.15	10.96
52 JONES	0	0.00	5	10.29	9.66
53 LEE	3	7.79	19	10.23	10.67
54 LENOIR	3	4.95	28	9.34	7.12
55 LINCOLN	4	9.16	20	9.37	10.96
56 MCDOWELL	5	13.85	18	10.13	9.47
57 MACON	3	13.44	14	13.25	6.17
58 MADISON	1	5.89	7	8.22	5.21
59 MARTIN	1	3.80	26	19.87	16.88
60 MECKLENBURG	25	5.88	142	6.90	7.93
61 MITCHELL	0	0.00	9	12.49	6.86
62 MONTGOMERY	3	12.90	14	12.38	10.35
63 MOORE	5	9.44	10	7.02	5.57
64 NASH	7	10.09	41	12.01	10.58
65 NEW HANOVER	14	12.86	35	6.63	6.81
66 NORTHAMPTON	8	35.42	17	15.04	11.30
67 ONSLOW	9	7.60	27	4.72	11.26
68 ORANGE	8	5.02	28	7.19	8.71
69 PAMLICO	2	18.84	4	7.65	5.44
70 PASQUOTANK	6	20.94	17	11.95	8.38
71 PENDER	0	0.00	4	3.55	2.57
72 PERQUIMANS	2	20.61	10	20.87	10.83
73 PERSON	0	0.00	9	6.11	4.69
74 PITT	8	8.48	30	6.53	5.70
75 POLK	1	7.06	8	11.95	9.62
76 RANDOLPH	9	9.49	32	6.91	8.34
77 RICHMOND	8	17.73	32	14.10	12.18
78 ROBESON	12	11.47	55	10.70	9.41
79 ROCKINGHAM	6	7.06	42	9.98	9.58
80 ROWAN	10	9.86	51	10.19	8.52
81 RUTHERFORD	10	17.95	31	11.38	10.62
82 SAMPSON	3	5.99	22	8.85	7.17
83 SCOTLAND	2	5.99	18	10.99	9.48
84 STANLY	5	10.20	30	12.39	12.65
85 STOKES	3	8.71	16	9.48	12.34
86 SURRY	1	1.67	20	6.70	7.34
87 SWAIN	1	9.37	5	9.58	5.71
88 TRANSYLVANIA	0	0.00	2	1.67	1.01
89 TYRRELL	1	24.45	1	4.88	7.96
90 UNION	11	14.66	49	13.64	16.86
91 VANCE	4	10.65	22	11.90	8.30
92 WAKE	21	6.46	84	5.43	7.01
93 WARREN	4	24.83	19	23.31	8.15
94 WASHINGTON	0	0.00	6	8.17	4.85
95 WATAUGA	1	2.97	7	4.30	3.12
96 WAYNE	11	11.22	49	10.05	11.24
97 WILKES	6	10.01	20	6.74	8.64
98 WILSON	8	12.44	30	9.47	7.54
99 YADKIN	5	17.13	11	7.62	10.02
100 YANCEY	0	0.00	4	5.30	3.54

* SEE SECTION I

NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS

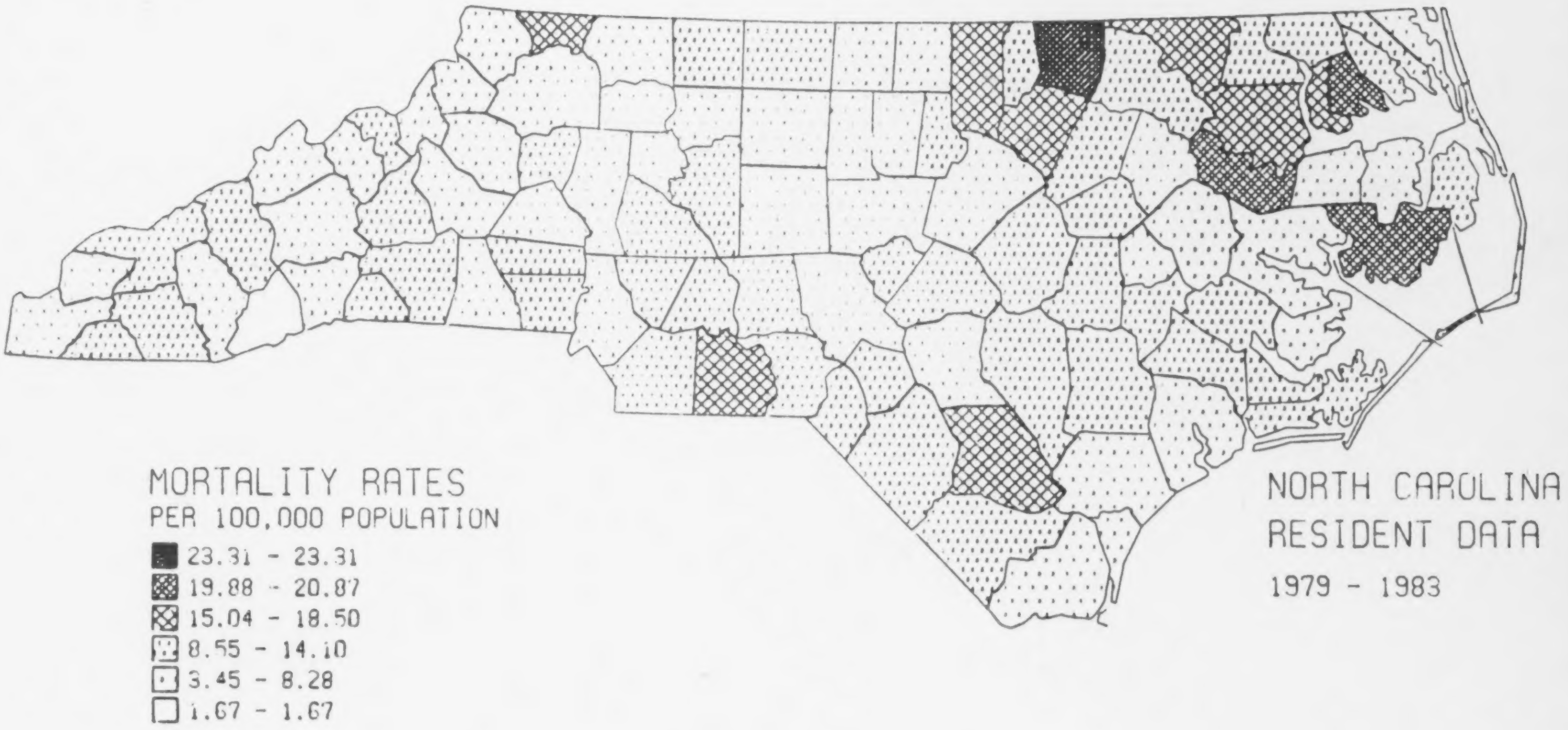

MORTALITY RATES
PER 100,000 POPULATION
■ 23.31 - 23.31
▩ 19.88 - 20.87
▨ 15.04 - 18.50
⁘ 8.55 - 14.10
⊡ 3.45 - 8.28
☐ 1.67 - 1.67
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 23.A

NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS

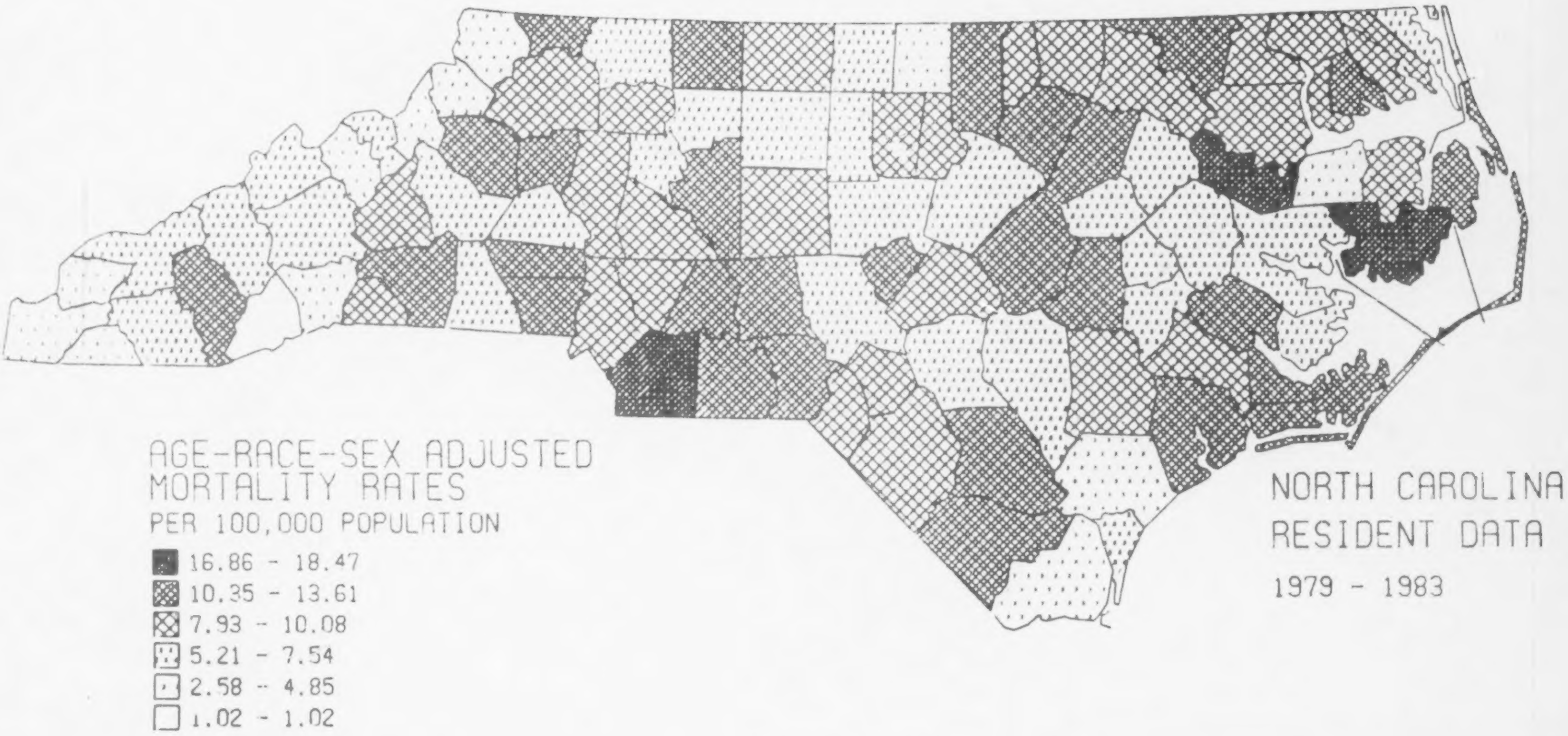

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▇ 16.86 - 18.47
▩ 10.35 - 13.61
▧ 7.93 - 10.08
▦ 5.21 - 7.54
▢ 2.58 - 4.85
☐ 1.02 - 1.02
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 23.B

TABLE 24

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	1282	21.07	7274	24.43	24.43
REGIONS					
DHR I WESTERN	414	19.86	2332	22.88	23.17
DHR II N. CENTRAL	273	21.08	1528	24.00	24.50
DHR III S. CENTRAL	301	21.37	1724	25.06	24.36
DHR IV EASTERN	294	22.69	1690	26.66	26.04
HSA I WESTERN	216	20.62	1239	24.08	25.03
HSA II PIEDMONT	241	21.06	1307	23.23	23.73
HSA III S. PIEDMONT	198	19.10	1093	21.66	22.04
HSA IV CAPITAL	140	16.30	927	22.28	21.66
HSA V CARDINAL	248	26.81	1327	29.21	28.97
HSA VI EASTERN	239	22.32	1381	26.29	25.37
COUNTIES					
1 ALAMANCE	13	12.83	120	24.01	25.08
2 ALEXANDER	5	19.19	40	31.40	32.24
3 ALLEGHANY	6	61.05	17	34.94	61.99
4 ANSON	4	15.31	32	24.92	26.14
5 ASHE	3	13.02	23	20.37	16.48
6 AVERY	1	6.75	19	25.95	19.52
7 BEAUFORT	8	19.03	54	26.20	29.52
8 BERTIE	5	23.44	39	36.78	44.27
9 BLADEN	10	32.70	46	30.09	32.76
10 BRUNSWICK	13	31.59	73	38.68	39.18
11 BUNCOMBE	38	23.10	177	21.80	21.97
12 BURKE	7	9.45	67	18.34	16.97
13 CABARRUS	18	19.92	93	21.24	20.60
14 CALDWELL	8	11.79	73	21.58	23.63
15 CAMDEN	1	17.06	6	20.78	18.00
16 CARTERET	10	21.95	49	22.81	23.27
17 CASWELL	9	41.43	33	31.36	28.30
18 CATAWBA	27	24.70	141	26.45	25.67
19 CHATHAM	10	28.98	46	27.05	26.46
20 CHEROKEE	3	15.25	21	21.91	28.23
21 CHOWAN	5	39.24	19	30.07	29.14
22 CLAY	1	14.43	5	14.68	10.89
23 CLEVELAND	24	28.67	114	27.33	28.75
24 COLUMBUS	18	34.94	95	36.91	38.34
25 CRAVEN	10	13.39	66	18.21	17.81
26 CUMBERLAND	62	24.74	292	23.43	23.02
27 CURRITUCK	3	23.83	16	27.54	27.99
28 DARE	3	19.57	20	28.12	22.92
29 DAVIDSON	30	25.89	148	26.04	26.37
30 DAVIE	3	11.28	26	20.09	23.01
31 DUPLIN	10	24.31	66	32.20	34.26
32 DURHAM	21	13.35	102	13.19	12.81
33 EDGECOMBE	10	17.44	75	26.57	30.62
34 FORSYTH	43	17.04	247	20.00	20.25
35 FRANKLIN	6	19.20	60	39.37	35.83
36 GASTON	24	14.35	194	23.66	24.88
37 GATES	1	11.04	12	26.82	27.15
38 GRAHAM	0	0.00	8	22.47	18.13
39 GRANVILLE	9	25.06	54	31.11	31.72
40 GREENE	6	36.42	36	44.74	36.24
41 GUILFORD	65	20.11	324	20.33	20.78

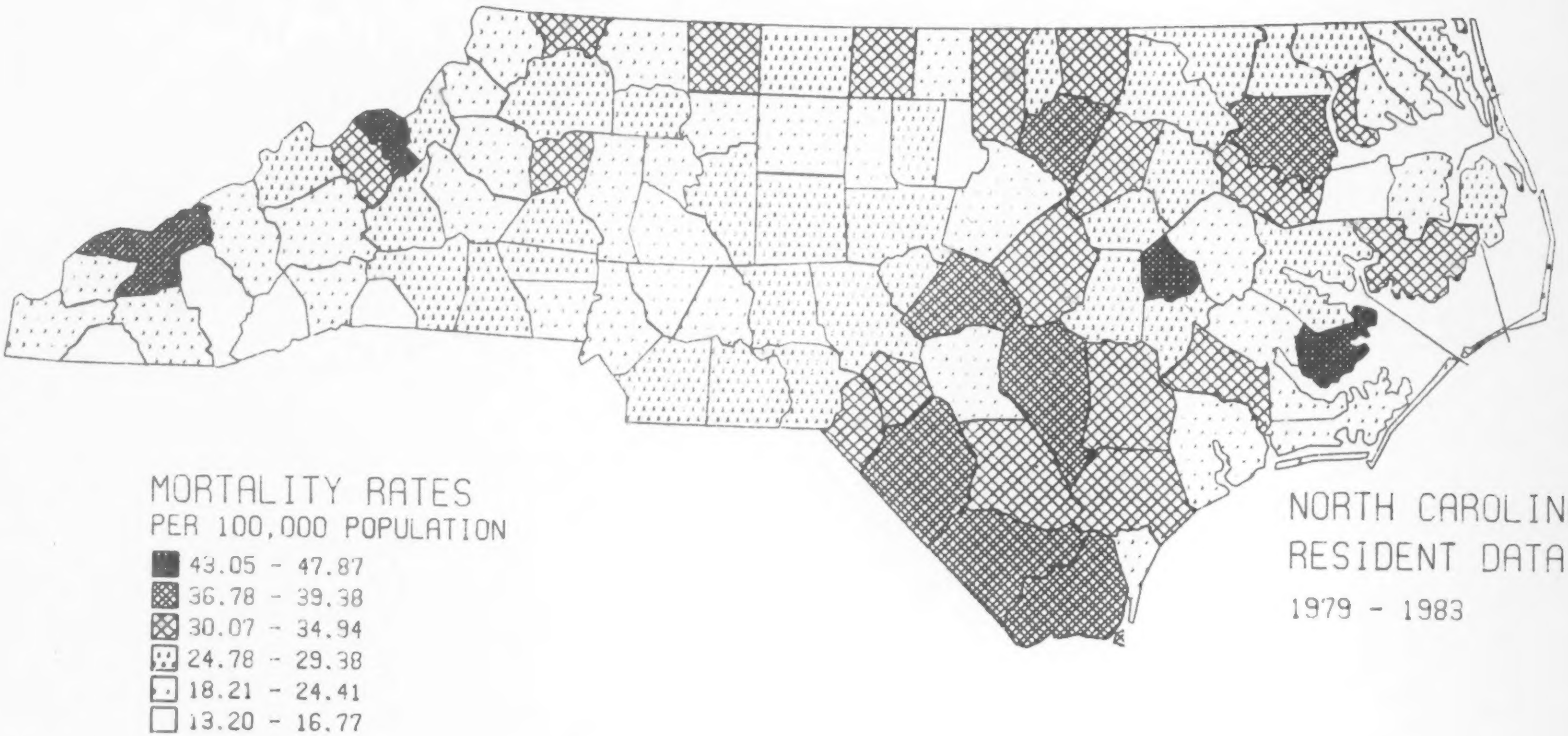
* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	11	19.75	76	27.37	23.65
43 HARNETT	16	25.97	115	38.00	37.75
44 HAYWOOD	9	19.16	43	18.39	19.52
45 HENDERSON	13	20.54	71	23.52	23.94
46 HERTFORD	6	25.27	34	28.87	27.46
47 HOKE	9	41.10	32	30.39	30.89
48 HYDE	1	16.83	9	30.22	33.06
49 IREDELL	18	21.18	98	23.43	23.96
50 JACKSON	4	14.88	22	16.76	19.37
51 JOHNSTON	16	21.88	121	33.75	35.52
52 JONES	3	30.69	16	32.95	36.74
53 LEE	12	31.19	51	27.46	29.11
54 LENOIR	14	23.12	81	27.03	27.42
55 LINCOLN	14	32.09	60	28.11	30.18
56 MCDOWELL	11	30.47	44	24.78	26.94
57 MACON	5	22.40	25	23.66	27.49
58 MADISON	4	23.59	25	29.36	22.59
59 MARTIN	17	64.71	42	32.11	28.95
60 MECKLENBURG	69	16.24	382	18.58	18.91
61 MITCHELL	7	49.01	31	43.05	33.07
62 MONTGOMERY	5	21.51	33	29.19	29.81
63 MOORE	15	28.34	73	28.50	30.11
64 NASH	21	30.29	119	34.87	35.78
65 NEW HANOVER	13	11.94	102	19.34	19.10
66 NORTHAMPTON	6	26.56	32	28.31	25.44
67 ONSLOW	33	27.87	109	19.06	17.27
68 ORANGE	11	13.80	98	25.19	25.74
69 PAMLICO	6	56.53	25	47.87	55.01
70 PASQUOTANK	4	13.96	26	18.27	19.43
71 PENDER	11	47.13	39	34.61	36.77
72 PERQUIMANS	1	10.30	11	22.95	23.42
73 PERSON	2	6.69	30	20.38	21.50
74 PITT	13	13.78	107	23.29	24.94
75 POLK	3	21.18	10	14.94	10.09
76 RANDOLPH	28	29.55	130	28.08	31.75
77 RICHMOND	9	19.95	61	26.87	27.42
78 ROBESON	33	31.55	189	36.78	33.30
79 ROCKINGHAM	20	23.55	122	29.00	29.80
80 ROWAN	25	24.66	117	23.39	23.75
81 RUTHERFORD	11	19.74	80	29.38	29.26
82 SAMPSON	23	45.95	92	37.02	38.71
83 SCOTLAND	7	20.99	53	32.38	33.48
84 STANLY	10	20.40	57	23.55	24.29
85 STOKES	16	46.47	53	31.41	35.34
86 SURRY	9	15.05	65	21.78	22.58
87 SWAIN	3	28.11	24	46.00	49.64
88 TRANSYLVANIA	3	12.24	19	15.90	13.01
89 TYRRELL	1	24.45	5	24.40	20.13
90 UNION	20	26.66	92	25.62	27.10
91 VANCE	10	26.62	49	26.52	30.85
92 WAKE	38	11.69	288	18.64	18.12
93 WARREN	5	31.04	28	34.35	36.99
94 WASHINGTON	3	20.59	12	16.34	16.49
95 WATAUGA	5	14.85	32	19.68	15.42
96 WAYNE	9	9.18	127	26.05	26.34
97 WILKES	11	18.36	83	27.99	36.63
98 WILSON	18	27.99	92	29.05	30.91
99 YADKIN	5	17.13	39	27.04	27.31
100 YANCEY	4	26.25	25	33.18	36.23

* SEE SECTION I

MOTOR VEHICLE ACCIDENTS


MORTALITY RATES
PER 100,000 POPULATION
■ 43.05 - 47.87
▩ 36.78 - 39.38
▨ 30.07 - 34.94
⁙ 24.78 - 29.38
⁚ 18.21 - 24.41
□ 13.20 - 16.77

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 24.A

MOTOR VEHICLE ACCIDENTS

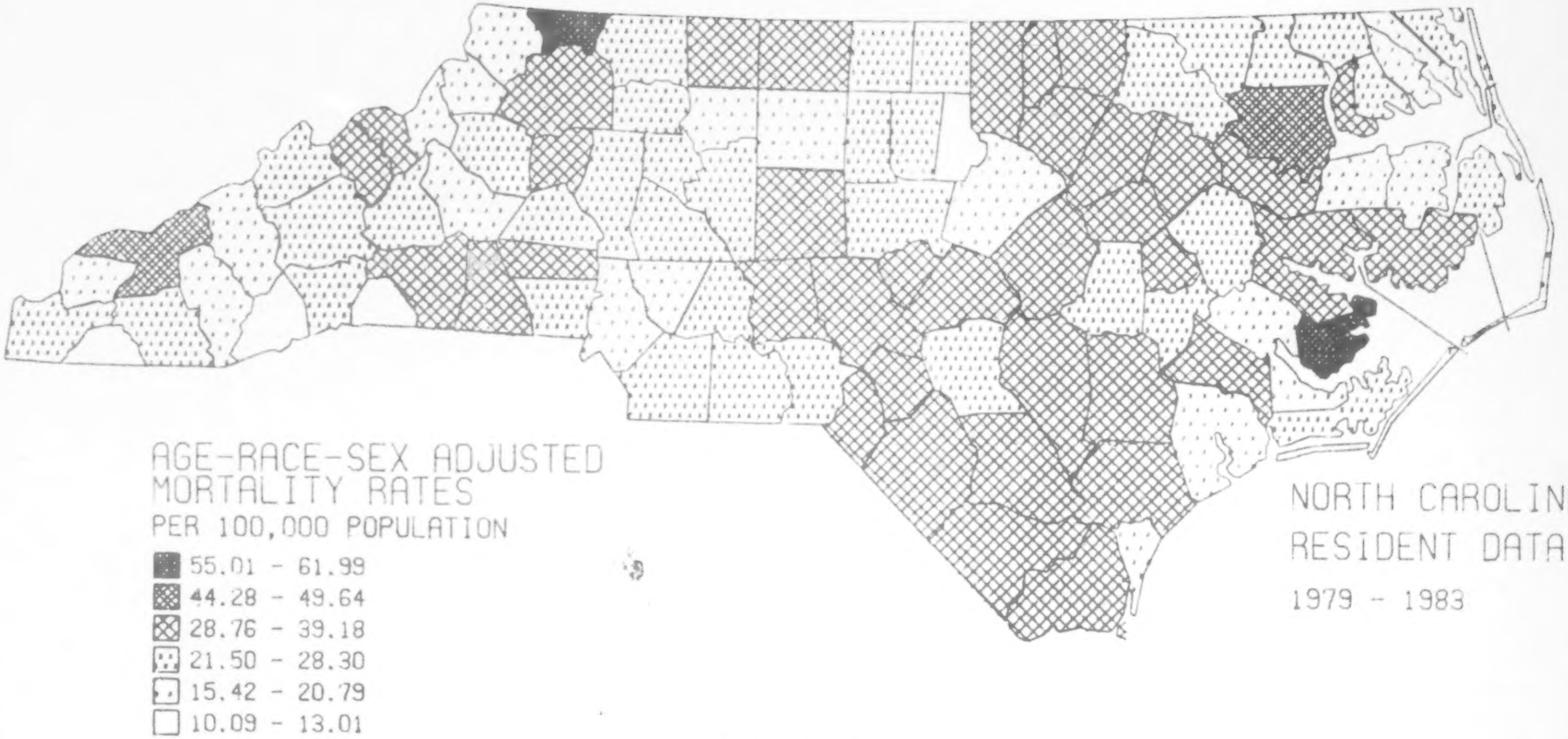

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 55.01 - 61.99
▩ 44.28 - 49.64
▨ 28.76 - 39.18
⁙ 21.50 - 28.30
⁚ 15.42 - 20.79
☐ 10.09 - 13.01
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 24.B

TABLE 25

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	1473	24.22	7418	24.91	24.91
REGIONS					
DHR I WESTERN	484	23.22	2500	24.53	24.89
DHR II N. CENTRAL	275	21.24	1484	23.31	23.20
DHR III S. CENTRAL	339	24.07	1680	24.42	24.83
DHR IV EASTERN	375	28.95	1754	27.67	26.70
HSA I WESTERN	253	24.15	1350	26.23	26.66
HSA II PIEDMONT	223	19.49	1242	22.07	22.52
HSA III S. PIEDMONT	231	22.29	1150	22.78	23.51
HSA IV CAPITAL	202	23.51	981	23.58	23.61
HSA V CARDINAL	264	28.54	1259	27.71	27.35
HSA VI EASTERN	300	28.02	1436	27.33	26.23
COUNTIES					
1 ALAMANCE	25	24.68	115	23.01	22.59
2 ALEXANDER	7	26.87	39	30.61	33.85
3 ALLEGHANY	5	50.88	15	30.83	19.04
4 ANSON	7	26.79	37	28.81	25.87
5 ASHE	5	21.70	28	24.80	16.06
6 AVERY	2	13.51	15	20.48	15.62
7 BEAUFORT	14	33.30	72	34.94	32.61
8 BERTIE	7	32.81	40	37.72	32.95
9 BLADEN	12	39.24	62	40.56	36.51
10 BRUNSWICK	13	31.59	54	28.61	28.52
11 BUNCOMBE	43	26.14	212	26.11	25.31
12 BURKE	8	10.80	84	22.99	23.72
13 CABARRUS	23	25.45	105	23.98	25.49
14 CALDWELL	13	19.16	80	23.65	27.59
15 CAMDEN	1	17.06	19	65.81	67.03
16 CARTERET	10	21.95	46	21.41	22.88
17 CASWELL	5	23.02	25	23.76	21.65
18 CATAWBA	13	11.89	104	19.51	21.78
19 CHATHAM	12	34.78	41	24.11	21.26
20 CHEROKEE	4	20.33	23	24.00	16.77
21 CHOWAN	4	31.39	19	30.07	26.22
22 CLAY	4	57.75	15	44.05	29.66
23 CLEVELAND	21	25.09	108	25.89	26.66
24 COLUMBUS	20	38.82	98	38.08	35.98
25 CRAVEN	22	29.47	91	25.11	25.38
26 CUMBERLAND	55	21.95	252	20.22	23.98
27 CURRITUCK	2	15.88	17	29.26	31.96
28 DARE	4	26.09	20	28.12	25.62
29 DAVIDSON	22	18.99	124	21.81	25.96
30 DAVIE	2	7.52	19	14.68	13.72
31 DUPLIN	16	38.90	61	29.76	26.49
32 DURHAM	34	21.59	183	23.67	22.55
33 EDGECOMBE	17	29.65	92	32.60	32.29
34 FORSYTH	41	16.24	257	20.81	20.44
35 FRANKLIN	16	51.21	55	36.09	27.89
36 GASTON	33	19.73	194	23.66	25.55
37 GATES	1	11.04	8	17.88	16.16
38 GRAHAM	2	28.15	18	50.57	64.57
39 GRANVILLE	9	25.06	58	33.41	24.58
40 GREENE	4	24.28	19	23.61	28.24
41 GUILFORD	56	17.33	319	20.02	20.05

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
ALL OTHER ACCIDENTS AND ADVERSE EFFECTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	23	41.29	86	30.98	27.27
43 HARNETT	13	21.10	77	25.44	25.82
44 HAYWOOD	13	27.68	61	26.09	18.75
45 HENDERSON	16	25.28	96	31.81	32.44
46 HERTFORD	13	54.76	37	31.42	23.02
47 HOKE	2	9.13	29	27.54	28.56
48 HYDE	2	33.66	15	50.37	50.14
49 IREDELL	24	28.24	103	24.62	24.19
50 JACKSON	7	26.04	31	23.62	25.63
51 JOHNSTON	28	38.29	113	31.52	32.50
52 JONES	3	30.69	15	30.89	33.15
53 LEE	8	20.79	39	21.00	21.31
54 LENOIR	12	19.82	81	27.03	25.88
55 LINCOLN	8	18.33	48	22.49	23.46
56 MCDOWELL	13	36.01	53	29.84	28.83
57 MACON	7	31.37	28	26.50	28.75
58 MADISON	7	41.28	33	38.75	61.33
59 MARTIN	6	22.84	45	34.40	32.87
60 MECKLENBURG	78	18.35	434	21.11	22.08
61 MITCHELL	8	56.01	23	31.94	53.34*
62 MONTGOMERY	7	30.11	30	26.53	25.09
63 MOORE	12	22.67	73	28.50	26.57
64 NASH	25	36.07	100	29.30	28.45
65 NEW HANOVER	30	27.56	123	23.32	24.07
66 NORTHAMPTON	14	61.98	37	32.73	21.40
67 ONSLOW	20	16.89	95	16.61	23.31
68 ORANGE	7	8.78	60	15.42	17.72
69 PAMLICO	5	47.11	19	36.38	30.35
70 PASQUOTANK	8	27.93	44	30.93	28.90
71 PENDER	12	51.42	43	38.16	37.59
72 PERQUIMANS	2	20.61	13	27.13	22.03
73 PERSON	6	20.07	40	27.17	25.73
74 PITT	18	19.08	111	24.16	23.90
75 POLK	5	35.31	28	41.85	31.80
76 RANDOLPH	19	20.05	98	21.17	26.07
77 RICHMOND	16	35.47	67	29.52	28.27
78 ROBESON	33	31.55	157	30.55	26.98
79 ROCKINGHAM	27	31.80	136	32.33	32.28
80 ROWAN	29	28.61	127	25.39	23.42
81 RUTHERFORD	14	25.13	86	31.58	32.04
82 SAMPSON	21	41.95	102	41.04	36.43
83 SCOTLAND	11	32.99	55	33.60	32.45
84 STANLY	21	42.85	76	31.40	29.39
85 STOKES	4	11.61	35	20.74	27.66
86 SURRY	16	26.76	78	26.14	32.91
87 SWAIN	4	37.48	17	32.58	29.15
88 TRANSYLVANIA	5	20.40	24	20.09	15.00
89 TYRRELL	0	0.00	5	24.40	13.75*
90 UNION	15	19.99	63	17.54	19.05
91 VANCE	13	34.61	58	31.39	29.02
92 WAKE	61	18.77	303	19.61	22.49
93 WARREN	8	49.67	31	38.03	24.34
94 WASHINGTON	6	41.19	23	31.33	25.03
95 WATAUGA	9	26.73	35	21.52	18.47
96 WAYNE	22	22.45	109	22.35	21.31
97 WILKES	12	20.03	74	24.95	26.51
98 WILSON	19	29.55	97	30.63	28.82
99 YADKIN	6	20.56	36	24.96	33.23
100 YANCEY	6	39.38	20	26.54	18.49

* SEE SECTION I

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

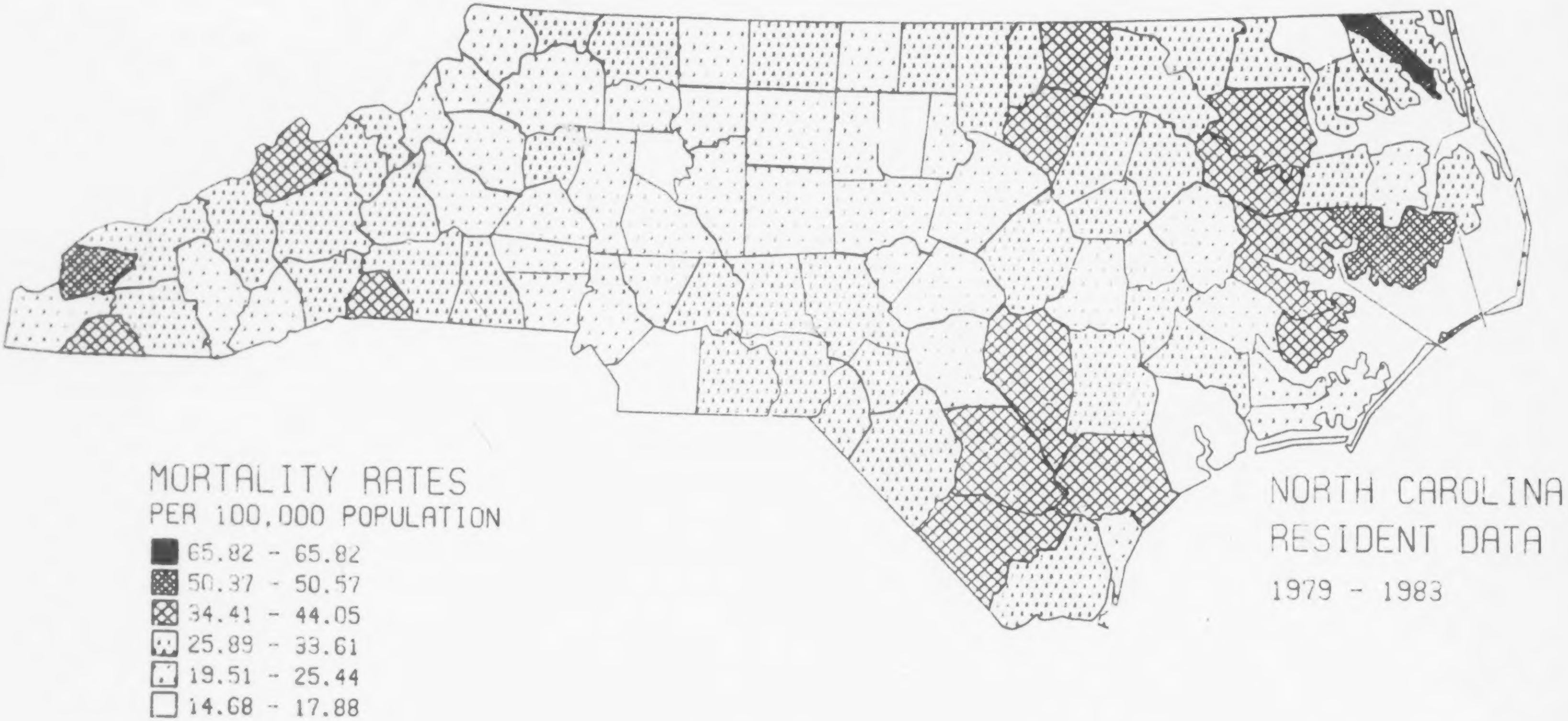
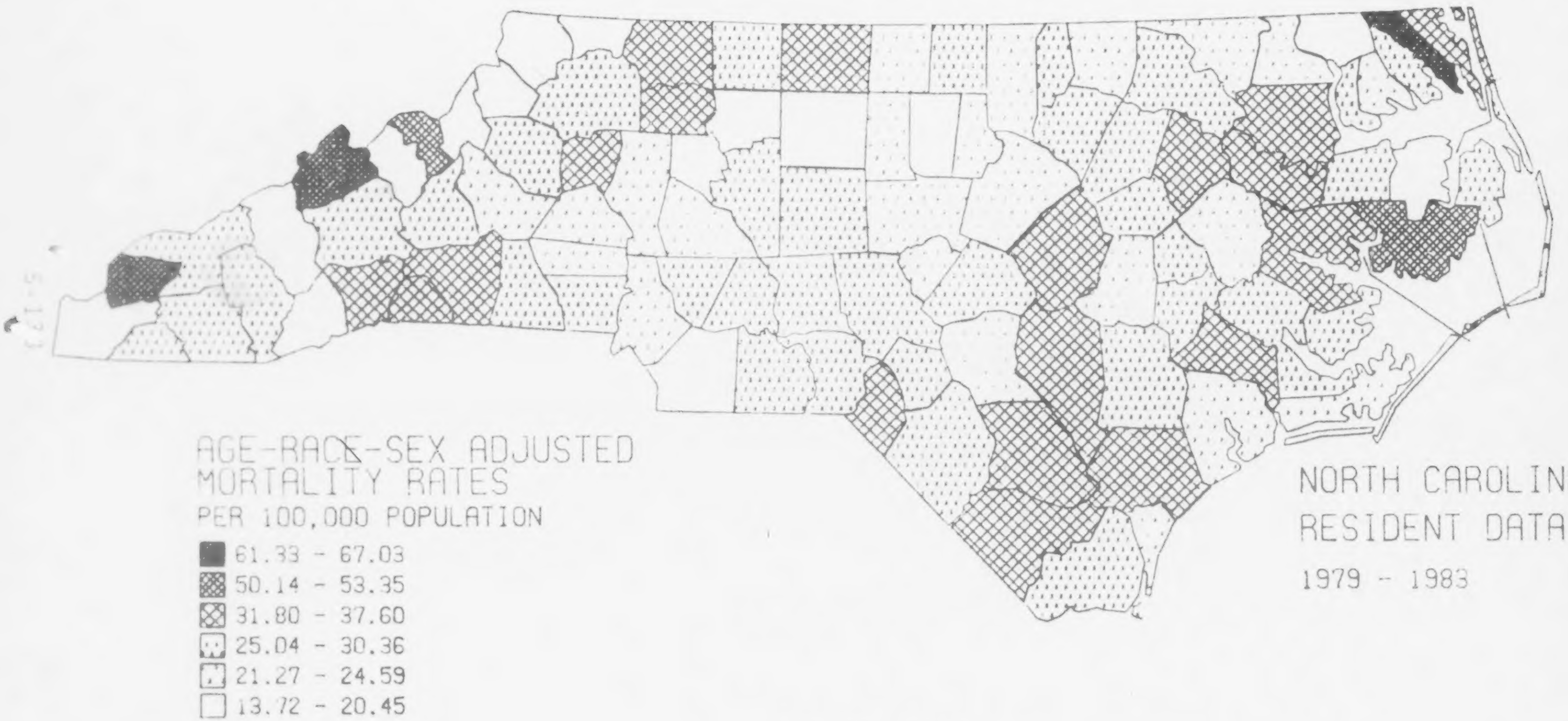

MORTALITY RATES
PER 100,000 POPULATION
■ 65.82 - 65.82
▩ 50.37 - 50.57
▨ 34.41 - 44.05
▦ 25.89 - 33.61
▤ 19.51 - 25.44
☐ 14.68 - 17.88
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 25.A

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS


AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
■ 61.33 - 67.03
▩ 50.14 - 53.35
▨ 31.80 - 37.60
▦ 25.04 - 30.36
⬚ 21.27 - 24.59
☐ 13.72 - 20.45

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 25.B

TABLE 26

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	748	12.29	3674	12.34	12.34
REGIONS					
DHR I WESTERN	268	12.86	1318	12.93	11.94
DHR II N. CENTRAL	177	13.67	884	13.88	13.61
DHR III S. CENTRAL	169	12.00	771	11.21	12.17
DHR IV EASTERN	134	10.34	701	11.05	11.96
HSA I WESTERN	145	13.84	703	13.66	12.23
HSA II PIEDMONT	158	13.81	779	13.84	13.34
HSA III S. PIEDMONT	123	11.86	615	12.18	11.88
HSA IV CAPITAL	109	12.69	504	12.11	12.65
HSA V CARDINAL	114	12.32	517	11.38	12.66
HSA VI EASTERN	99	9.24	556	10.58	11.63
COUNTIES					
1 ALAMANCE	9	8.88	69	13.81	13.02
2 ALEXANDER	6	23.03	22	17.27	14.35
3 ALLEGHANY	1	10.17	11	22.61	15.28
4 ANSON	5	19.14	11	8.56	11.47
5 ASHE	3	13.02	24	21.25	16.78
6 AVERY	4	27.03	8	10.92	8.64
7 BEAUFORT	6	14.27	22	10.67	11.99
8 BERTIE	2	9.37	13	12.26	15.85
9 BLADEN	3	9.81	15	9.81	11.76
10 BRUNSWICK	6	14.58	24	12.71	11.92
11 BUNCOMBE	39	23.70	122	15.03	13.61
12 BURKE	12	16.20	41	11.22	9.91
13 CABARRUS	21	23.24	64	14.61	13.14
14 CALDWELL	10	14.74	59	17.44	14.95
15 CAMDEN	0	0.00	5	17.32	16.09
16 CARTERET	3	6.58	17	7.91	6.38
17 CASWELL	4	18.41	12	11.40	14.72
18 CATAWBA	17	15.55	63	11.82	11.34
19 CHATHAM	3	8.69	16	9.41	9.18
20 CHEROKEE	0	0.00	7	7.30	6.05
21 CHOWAN	2	15.69	8	12.66	12.65
22 CLAY	0	0.00	7	20.55	15.22
23 CLEVELAND	5	5.97	46	11.02	10.91
24 COLUMBUS	12	23.29	39	15.15	15.88
25 CRAVEN	8	10.71	34	9.38	10.93
26 CUMBERLAND	23	9.17	143	11.47	14.43
27 CURRITUCK	0	0.00	8	13.77	12.21
28 DARE	2	13.04	7	9.84	7.06
29 DAVIDSON	18	15.53	75	13.19	11.99
30 DAVIE	5	18.81	19	14.68	13.25
31 DUPLIN	0	0.00	13	6.34	5.93
32 DURHAM	18	11.43	76	9.83	10.89
33 EDGECOMBE	8	13.95	26	9.21	12.64
34 FORSYTH	29	11.49	169	13.68	13.75
35 FRANKLIN	2	6.40	17	11.15	12.17
36 GASTON	18	10.76	114	13.90	13.34
37 GATES	0	0.00	4	8.94	17.82
38 GRAHAM	0	0.00	5	14.04	11.28
39 GRANVILLE	6	16.71	24	13.82	14.84
40 GREENE	1	6.07	6	7.45	7.64
41 GUILFORD	47	14.54	212	13.30	13.46

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	6	10.77	24	8.64	8.66
43 HARNETT	8	12.98	41	13.54	13.99
44 HAYWOOD	3	6.38	28	11.97	8.80
45 HENDERSON	9	14.22	36	11.92	11.97
46 HERTFORD	3	12.63	10	8.49	7.75
47 HOKE	2	9.13	10	9.49	11.87
48 HYDE	0	0.00	3	10.07	10.29
49 IREDELL	11	12.94	51	12.19	11.34
50 JACKSON	2	7.44	18	13.72	12.54
51 JOHNSTON	16	21.88	64	17.85	17.12
52 JONES	2	20.46	5	10.29	13.58
53 LEE	5	12.99	21	11.30	11.50
54 LENOIR	3	4.95	36	12.01	13.30
55 LINCOLN	8	18.33	27	12.65	12.44
56 MCDOWELL	4	11.08	18	10.13	7.97
57 MACON	4	17.92	17	16.09	20.56
58 MADISON	1	5.89	9	10.56	7.67
59 MARTIN	2	7.61	14	10.70	13.94
60 MECKLENBURG	31	7.29	213	10.36	10.89
61 MITCHELL	1	7.00	11	15.27	11.44
62 MONTGOMERY	1	4.30	15	13.26	13.31
63 MOORE	11	20.78	32	12.49	10.72
64 NASH	7	10.09	39	11.43	12.33
65 NEW HANOVER	13	11.94	65	12.32	12.27
66 NORTHAMPTON	1	4.42	11	9.73	10.73
67 ONSLOW	5	4.22	46	8.04	10.16
68 ORANGE	5	6.27	25	6.42	7.13
69 PAMLICO	1	9.42	9	17.23	17.48
70 PASQUOTANK	2	6.98	14	9.84	10.61
71 PENDER	4	17.14	17	15.08	15.28
72 PERQUIMANS	1	10.30	2	4.17	5.96
73 PERSON	5	16.72	31	21.06	21.73
74 PITT	15	15.90	62	13.49	15.30
75 POLK	2	14.12	11	16.44	13.67
76 RANDOLPH	12	12.66	67	14.47	13.64
77 RICHMOND	4	8.86	19	8.37	8.54
78 ROBESON	10	9.56	44	8.56	10.04
79 ROCKINGHAM	15	17.66	63	14.97	14.61
80 ROWAN	17	16.77	67	13.39	12.40
81 RUTHERFORD	2	3.59	30	11.01	10.09
82 SAMPSON	11	21.97	34	13.68	15.27
83 SCOTLAND	1	2.99	8	4.88	5.79
84 STANLY	12	24.48	36	14.87	14.28
85 STOKES	4	11.61	25	14.81	12.50
86 SURRY	9	15.05	50	16.75	13.47
87 SWAIN	1	9.37	9	17.25	17.66
88 TRANSYLVANIA	2	8.16	9	7.53	6.04
89 TYRRELL	1	24.45	2	9.76	11.97
90 UNION	5	6.66	43	11.97	12.02
91 VANCE	3	7.98	18	9.74	12.59
92 WAKE	43	13.23	197	12.75	13.11
93 WARREN	3	18.62	15	18.40	25.88
94 WASHINGTON	3	20.59	10	13.62	17.45
95 WATAUGA	7	20.79	35	21.52	18.22
96 WAYNE	8	8.16	54	11.07	12.64
97 WILKES	9	15.02	50	16.86	16.45
98 WILSON	7	10.88	52	16.42	17.46
99 YADKIN	6	20.56	18	12.48	12.42
100 YANCEY	1	6.56	7	9.29	7.39

* SEE SECTION I

SUICIDE

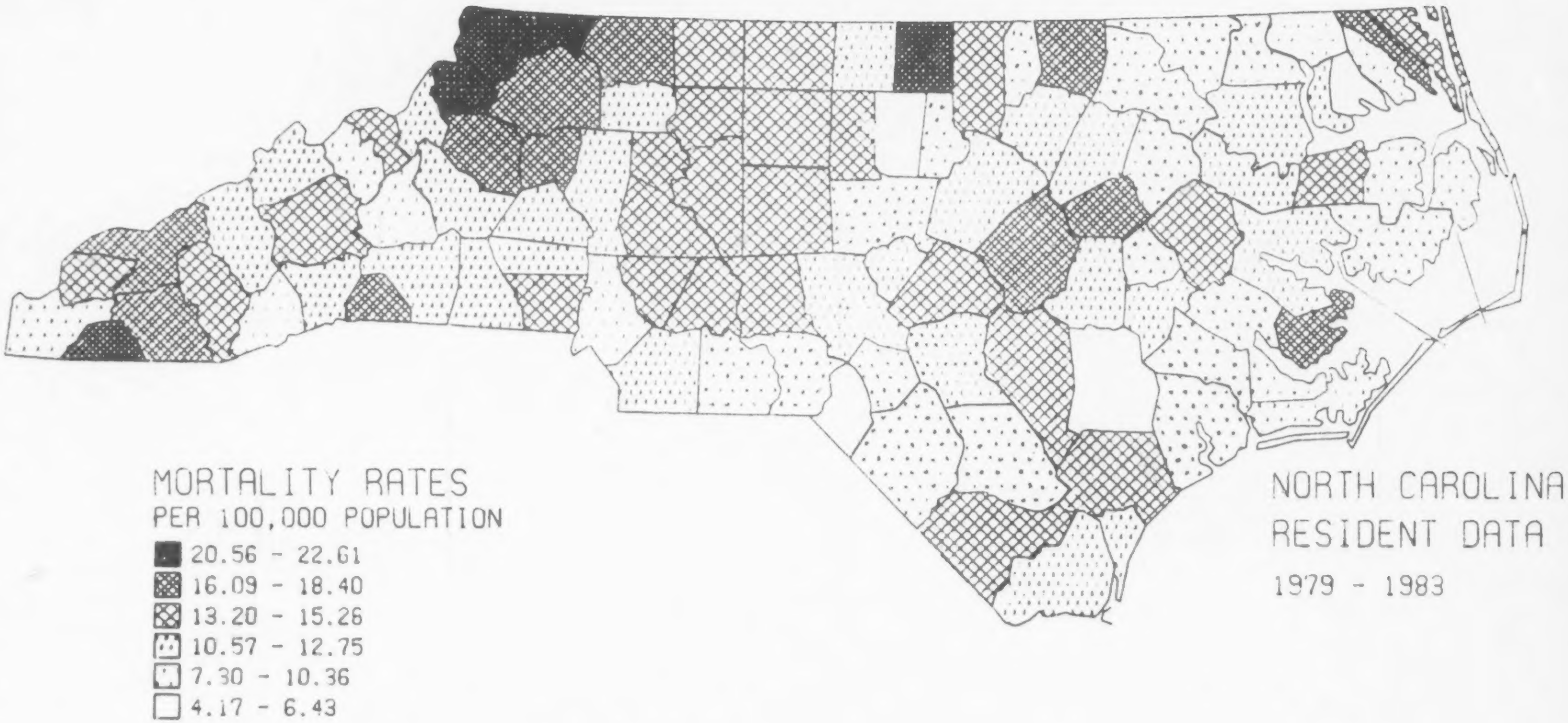
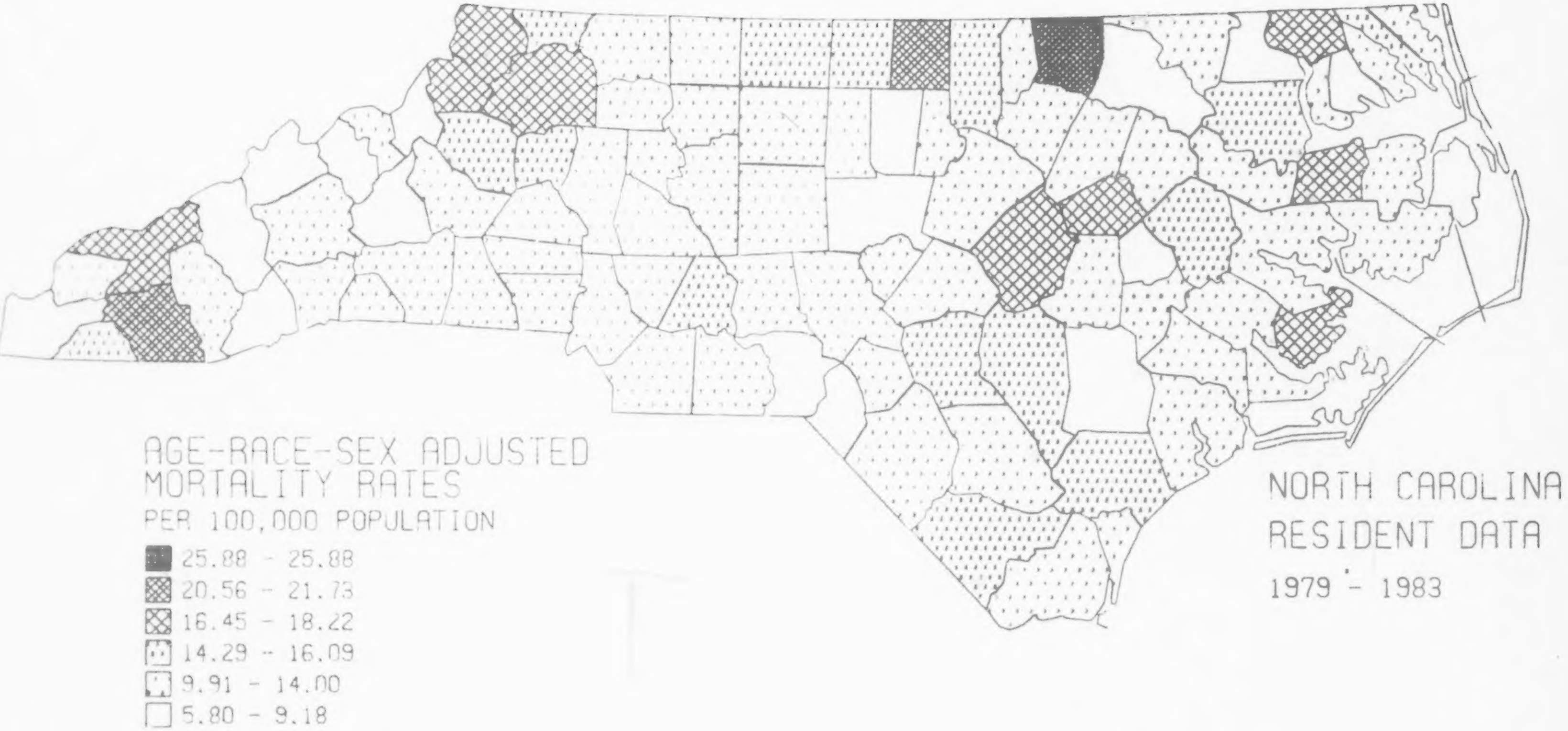

MORTALITY RATES
PER 100,000 POPULATION
■ 20.56 - 22.61
▩ 16.09 - 18.40
▨ 13.20 - 15.26
⁙ 10.57 - 12.75
⋅ 7.30 - 10.36
□ 4.17 - 6.43
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 26.A

SUICIDE



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- ■ 25.88 - 25.88
- ▩ 20.56 - 21.73
- ▨ 16.45 - 18.22
- ⁘ 14.29 - 16.09
- ⁛ 9.91 - 14.00
- ☐ 5.80 - 9.18

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 26.B

TABLE 27

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	560	9.20	3153	10.59	10.59
REGIONS					
DHR I WESTERN	182	8.73	1002	9.83	12.29
DHR II N. CENTRAL	104	8.03	615	9.66	9.90
DHR III S. CENTRAL	147	10.43	857	12.46	10.98
DHR IV EASTERN	127	9.80	679	10.71	9.40
HSA I WESTERN	83	7.92	433	8.41	12.24
HSA II PIEDMONT	85	7.43	506	8.99	9.60
HSA III S. PIEDMONT	99	9.55	569	11.27	12.26
HSA IV CAPITAL	80	9.31	476	11.44	10.35
HSA V CARDINAL	104	11.24	593	13.05	11.35
HSA VI EASTERN	109	10.18	576	10.96	9.48
COUNTIES					
1 ALAMANCE	6	5.92	63	12.60	13.68
2 ALEXANDER	2	7.67	13	10.20	7.94
3 ALLEGHANY	1	10.17	3	6.16	4.76
4 ANSON	4	15.31	19	14.79	14.63
5 ASHE	1	4.34	6	5.31	4.40
6 AVERY	0	0.00	6	8.19	6.59
7 BEAUFORT	7	16.65	29	14.07	12.18
8 BERTIE	4	18.75	14	13.20	10.12
9 BLADEN	3	9.81	29	18.97	13.71
10 BRUNSWICK	2	4.86	13	6.88	7.25
11 BUNCOMBE	7	4.25	67	8.25	9.99
12 BURKE	7	9.45	36	9.85	11.98
13 CABARRUS	6	6.64	38	8.68	11.66
14 CALDWELL	6	8.84	36	10.64	15.99
15 CAMDEN	0	0.00	1	3.46	4.67
16 CARTERET	6	13.17	22	10.24	14.78
17 CASWELL	1	4.60	12	11.40	6.86
18 CATAWBA	9	8.23	51	9.56	14.61
19 CHATHAM	2	5.79	22	12.94	11.77
20 CHEROKEE	4	20.33	7	7.30	6.25
21 CHOWAN	0	0.00	5	7.91	7.66
22 CLAY	1	14.43	4	11.74	82.61*
23 CLEVELAND	16	19.11	51	12.22	13.85
24 COLUMBUS	6	11.64	38	14.76	13.65
25 CRAVEN	5	6.69	34	9.38	9.22
26 CUMBERLAND	22	8.78	153	12.28	10.40
27 CURRITUCK	0	0.00	6	10.32	11.89
28 DARE	1	6.52	4	5.62	5.10
29 DAVIDSON	10	8.63	49	8.62	10.69
30 DAVIE	1	3.76	7	5.40	8.39
31 DUPLIN	8	19.45	23	11.22	9.09
32 DURHAM	16	10.16	104	13.45	11.34
33 EDGECOMBE	5	8.72	37	13.11	9.33
34 FORSYTH	22	8.71	108	8.74	8.66
35 FRANKLIN	6	19.20	30	19.68	15.65
36 GASTON	21	12.56	99	12.07	15.42
37 GATES	0	0.00	2	4.47	2.04
38 GRAHAM	0	0.00	1	2.80	2.53
39 GRANVILLE	4	11.14	18	10.37	9.41
40 GREENE	2	12.14	10	12.43	8.57
41 GUILFORD	25	7.73	152	9.54	9.18

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
42 HALIFAX	8	14.36	27	9.72	7.12
43 HARNETT	11	17.85	54	17.84	18.42
44 HAYWOOD	2	4.25	7	2.99	2.37
45 HENDERSON	2	3.16	19	6.29	17.44
46 HERTFORD	0	0.00	9	7.64	4.38
47 HOKE	2	9.13	12	11.39	8.73
48 HYDE	0	0.00	3	10.07	6.68
49 IREDELL	7	8.23	36	8.60	10.42
50 JACKSON	3	11.16	15	11.43	13.30
51 JOHNSTON	13	17.77	46	12.83	13.97
52 JONES	0	0.00	2	4.11	2.63
53 LEE	3	7.79	19	10.23	10.80
54 LENOIR	7	11.56	40	13.35	10.83
55 LINCOLN	3	6.87	20	9.37	10.29
56 MCDOWELL	0	0.00	6	3.37	4.92
57 MACON	1	4.48	2	1.89	1.71
58 MADISON	4	23.59	14	16.44	12.37
59 MARTIN	5	19.03	11	8.41	7.34
60 MECKLENBURG	53	12.47	298	14.49	13.11
61 MITCHELL	0	0.00	1	1.38	1.08
62 MONTGOMERY	4	17.21	21	18.57	18.91
63 MOORE	4	7.55	26	10.15	11.39
64 NASH	10	14.42	54	15.82	14.98
65 NEW HANOVER	9	8.27	46	8.72	9.40
66 NORTHAMPTON	2	8.85	15	13.27	13.48
67 ONSLOW	5	4.22	43	7.52	6.96
68 ORANGE	5	6.27	27	6.94	7.42
69 PAMLICO	1	9.42	2	3.82	4.03
70 PASQUOTANK	1	3.49	13	9.13	8.95
71 PENDER	1	4.28	6	5.32	5.34
72 PERQUIMANS	0	0.00	4	8.34	8.64
73 PERSON	3	10.03	19	12.90	10.77
74 PITT	9	9.54	43	9.36	8.14
75 POLK	1	7.06	10	14.94	19.31
76 RANDOLPH	5	5.27	36	7.77	11.76
77 RICHMOND	9	19.95	46	20.26	20.26
78 ROBESON	22	21.03	87	16.93	12.47
79 ROCKINGHAM	6	7.06	44	10.46	11.20
80 ROWAN	5	4.93	42	8.39	9.28
81 RUTHERFORD	3	5.38	25	9.18	12.34
82 SAMPSON	2	3.99	28	11.26	9.53
83 SCOTLAND	3	8.99	15	9.16	8.31
84 STANLY	1	2.04	14	5.78	6.55
85 STOKES	3	8.71	11	6.51	8.70
86 SURRY	6	10.03	18	6.03	7.31
87 SWAIN	4	37.48	10	19.16	20.18
88 TRANSYLVANIA	0	0.00	6	5.02	4.15
89 TYRRELL	1	24.45	4	19.52	17.99
90 UNION	3	3.99	22	6.12	7.56
91 VANCE	3	7.98	25	13.53	12.52
92 WAKE	22	6.77	149	9.64	9.36
93 WARREN	3	18.62	17	20.85	12.23
94 WASHINGTON	0	0.00	5	6.81	3.87
95 WATAUGA	2	5.94	7	4.30	3.13
96 WAYNE	15	15.31	65	13.33	11.21
97 WILKES	7	11.68	26	8.76	12.88
98 WILSON	7	10.88	49	15.47	15.01
99 YADKIN	0	0.00	6	4.16	3.27
100 YANCEY	0	0.00	4	5.30	3.82

* SEE SECTION I

HOMICIDE

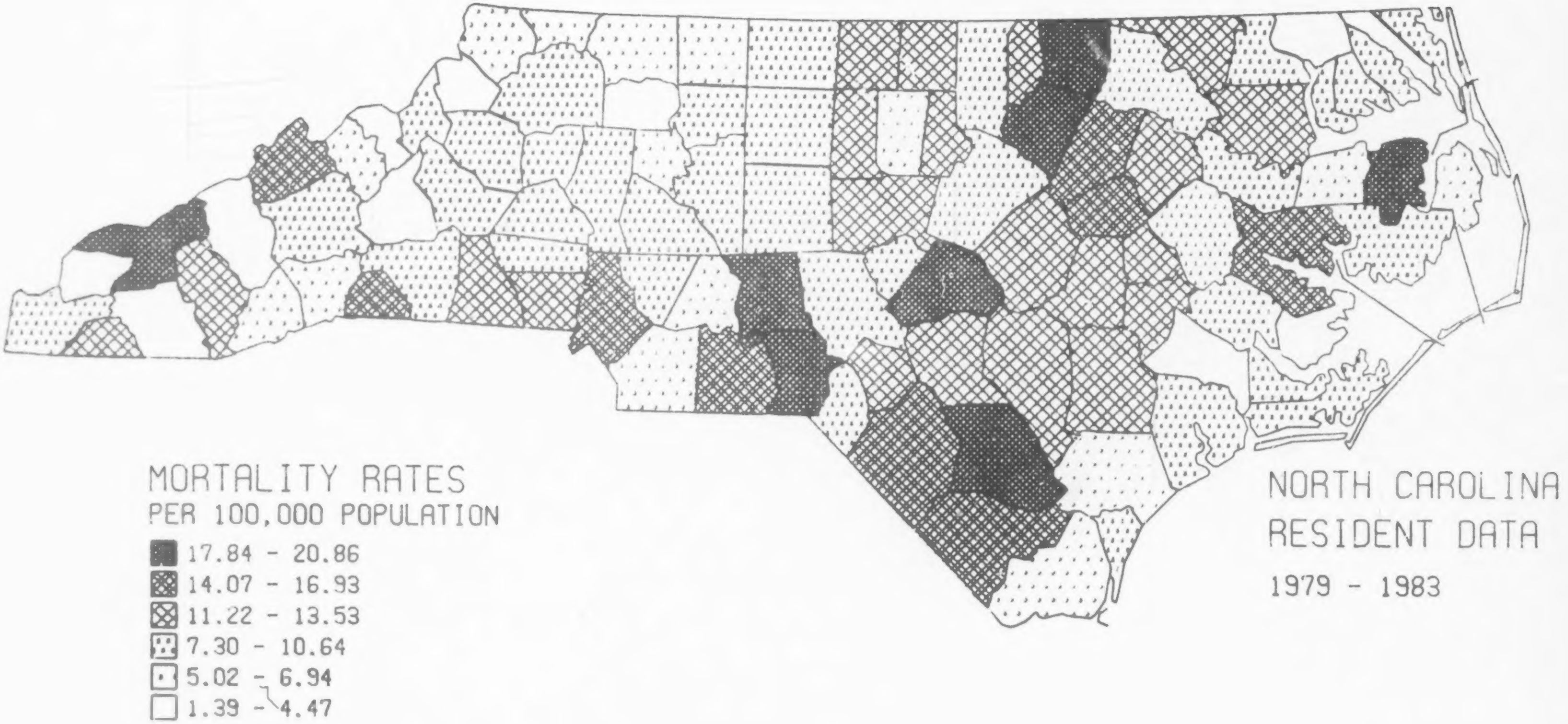
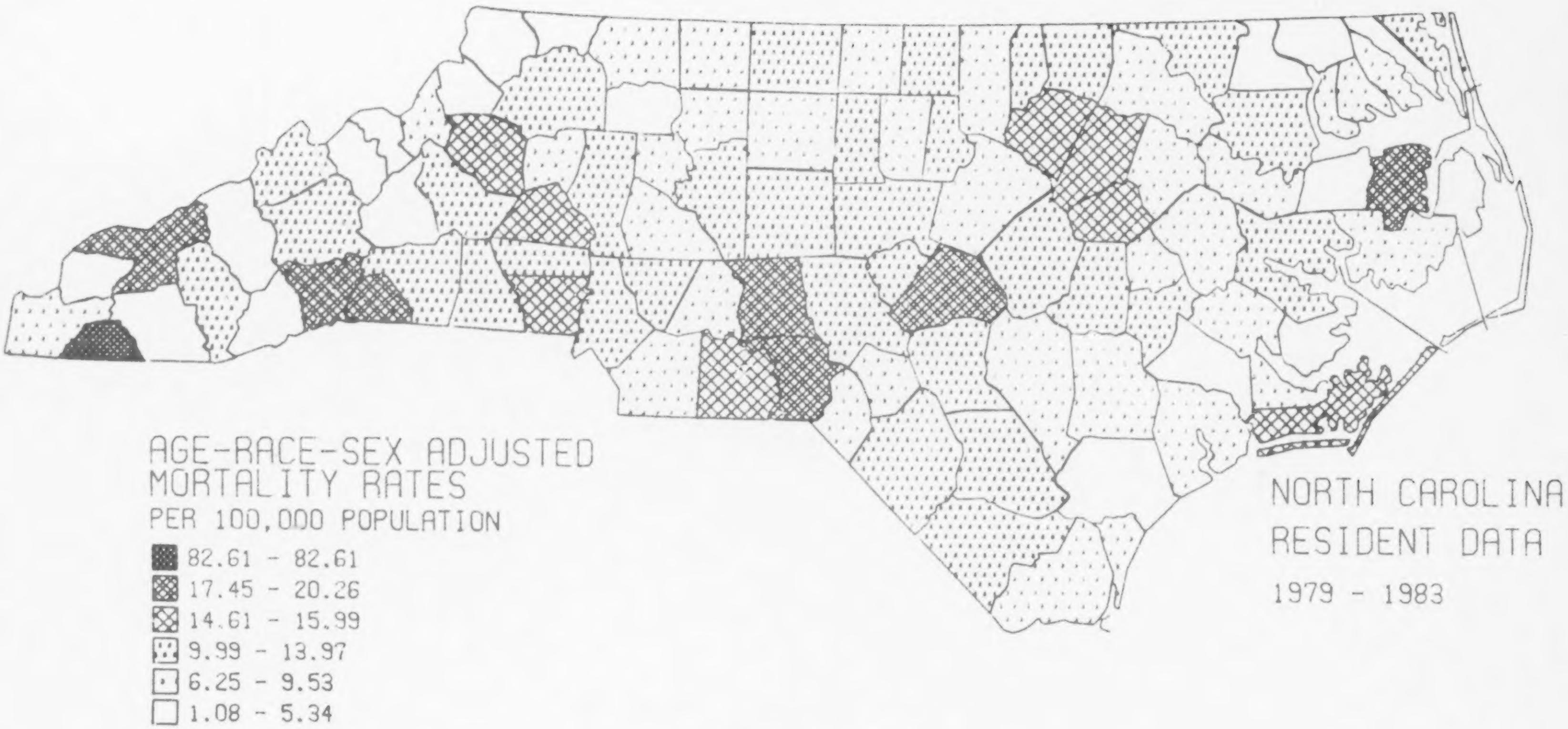

MORTALITY RATES
PER 100,000 POPULATION
▇ 17.84 - 20.86
▩ 14.07 - 16.93
▨ 11.22 - 13.53
⁙ 7.30 - 10.64
☐ 5.02 - 6.94
☐ 1.39 - 4.47
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 27.A

HOMICIDE



AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION

- ▩ 82.61 - 82.61
- ▦ 17.45 - 20.26
- ▨ 14.61 - 15.99
- ⠿ 9.99 - 13.97
- ⊡ 6.25 - 9.53
- ☐ 1.08 - 5.34

NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 27.B

TABLE 28

MORTALITY STATISTICS FOR 1983

NORTH CAROLINA RESIDENTS

INFANT DEATHS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE+ 1979-83
NORTH CAROLINA	1109	13.22	5877	13.93	0.00
REGIONS					
DHR I WESTERN	301	11.43	1743	12.99	0.00
DHR II N. CENTRAL	213	13.40	1024	12.81	0.00
DHR III S. CENTRAL	307	14.57	1603	15.17	0.00
DHR IV EASTERN	288	14.00	1507	14.75	0.00
HSA I WESTERN	149	12.06	814	12.79	0.00
HSA II PIEDMONT	187	13.35	863	12.30	0.00
HSA III S. PIEDMONT	152	10.87	929	13.17	0.00
HSA IV CAPITAL	153	13.84	827	14.99	0.00
HSA V CARDINAL	220	14.70	1134	15.01	0.00
HSA VI EASTERN	248	14.16	1310	15.08	0.00
COUNTIES					
1 ALAMANCE	15	12.65	93	16.21	0.00
2 ALEXANDER	4	12.19	23	13.64	0.00
3 ALLEGHANY	0	0.00	8	14.33	0.00
4 ANSON	9	26.94	31	16.79	0.00
5 ASHE	2	8.47	23	16.63	0.00
6 AVERY	2	10.81	12	12.25	0.00
7 BEAUFORT	6	11.36	35	11.82	0.00
8 BERTIE	7	21.80	32	19.72	0.00
9 BLADEN	2	5.26	28	13.58	0.00
10 BRUNSWICK	5	9.25	28	10.70	0.00
11 BUNCOMBE	16	8.17	115	11.55	0.00
12 BURKE	13	16.31	60	13.77	0.00
13 CABARRUS	13	11.70	67	11.84	0.00
14 CALDWELL	11	13.58	59	13.69	0.00
15 CAMDEN	1	17.54	3	8.35	0.00
16 CARTERET	8	11.00	41	12.53	0.00
17 CASWELL	7	26.41	18	14.16	0.00
18 CATAWBA	24	17.97	96	13.78	0.00
19 CHATHAM	6	12.93	29	12.21	0.00
20 CHEROKEE	2	8.40	11	9.47	0.00
21 CHOWAN	4	22.98	16	17.66	0.00
22 CLAY	0	0.00	4	9.82	0.00
23 CLEVELAND	11	10.63	94	16.79	0.00
24 COLUMBUS	13	15.56	72	17.20	0.00
25 CRAVEN	21	13.69	99	13.16	0.00
26 CUMBERLAND	87	16.01	393	14.97	0.00
27 CURRITUCK	3	15.87	14	17.05	0.00
28 DARE	2	8.51	7	6.84	0.00
29 DAVIDSON	20	13.66	71	9.88	0.00
30 DAVIE	2	7.40	12	8.46	0.00
31 DUPLIN	5	9.57	43	15.47	0.00
32 DURHAM	34	16.46	160	15.40	0.00
33 EDGECOMBE	20	22.59	72	16.35	0.00
34 FORSYTH	40	12.54	188	12.04	0.00
35 FRANKLIN	4	11.14	20	10.62	0.00
36 GASTON	29	13.10	153	13.37	0.00
37 GATES	3	24.39	11	18.36	0.00
38 GRAHAM	1	10.63	3	6.03	0.00
39 GRANVILLE	7	17.07	32	15.42	0.00
40 GREENE	5	20.57	24	20.32	0.00
41 GUILFORD	48	11.87	246	11.95	0.00

* SEE SECTION I

MORTALITY STATISTICS FOR 1983, NORTH CAROLINA RESIDENTS
INFANT DEATHS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1983	DEATH RATE* 1983	NUMBER OF DEATHS 1979-83	DEATH RATE* 1979-83	ADJUSTED DEATH RATE* 1979-83
42 HALIFAX	18	21.50	99	22.18	0.00
43 HARNETT	13	13.74	64	13.53	0.00
44 HAYWOOD	4	7.63	34	13.83	0.00
45 HENDERSON	8	11.36	41	11.20	0.00
46 HERTFORD	6	16.12	32	17.37	0.00
47 HOKE	2	6.28	24	13.99	0.00
48 HYDE	3	37.50	10	23.58	0.00
49 IREDELL	9	8.53	67	12.33	0.00
50 JACKSON	9	28.75	22	14.61	0.00
51 JOHNSTON	11	11.48	67	14.16	0.00
52 JONES	2	14.92	13	19.96	0.00
53 LEE	10	17.69	50	16.83	0.00
54 LENOIR	6	7.58	66	15.49	0.00
55 LINCOLN	8	13.88	43	15.21	0.00
56 MCDOWELL	6	14.85	22	9.84	0.00
57 MACON	2	8.33	13	11.27	0.00
58 MADISON	6	31.08	12	12.84	0.00
59 MARTIN	5	13.62	36	19.42	0.00
60 MECKLENBURG	65	10.53	435	14.28	0.00
61 MITCHELL	2	10.47	10	10.88	0.00
62 MONTGOMERY	3	9.67	27	17.15	0.00
63 MOORE	11	16.05	45	12.77	0.00
64 NASH	23	22.50	101	19.55	0.00
65 NEW HANOVER	20	14.57	82	11.84	0.00
66 NORTHAMPTON	4	12.04	24	14.76	0.00
67 ONSLOW	35	10.99	187	12.89	0.00
68 ORANGE	7	8.19	66	14.90	0.00
69 PAMLICO	3	21.12	10	15.57	0.00
70 PASQUOTANK	4	8.35	33	14.60	0.00
71 PENDER	2	6.38	15	9.31	0.00
72 PERQUIMANS	1	7.69	6	9.03	0.00
73 PERSON	6	17.80	30	16.60	0.00
74 PITT	20	15.17	96	14.56	0.00
75 POLK	0	0.00	8	11.74	0.00
76 RANDOLPH	17	14.80	57	10.02	0.00
77 RICHMOND	9	15.81	56	17.39	0.00
78 ROBESON	24	13.73	153	16.75	0.00
79 ROCKINGHAM	19	18.32	81	14.98	0.00
80 ROWAN	15	12.30	64	9.96	0.00
81 RUTHERFORD	9	13.37	56	15.73	0.00
82 SAMPSON	11	16.29	59	16.63	0.00
83 SCOTLAND	9	17.82	57	21.83	0.00
84 STANLY	3	5.11	37	12.11	0.00
85 STOKES	4	9.75	30	14.99	0.00
86 SURRY	13	18.30	53	14.42	0.00
87 SWAIN	3	16.48	13	14.92	0.00
88 TRANSYLVANIA	4	12.98	11	7.80	0.00
89 TYRRELL	0	0.00	4	12.53	0.00
90 UNION	10	9.53	63	12.03	0.00
91 VANCE	8	14.41	57	20.42	0.00
92 WAKE	59	13.84	294	14.32	0.00
93 WARREN	1	4.46	22	18.42	0.00
94 WASHINGTON	4	16.52	15	12.90	0.00
95 WATAUGA	0	0.00	7	4.04	0.00
96 WAYNE	21	13.14	112	13.61	0.00
97 WILKES	8	10.54	48	12.82	0.00
98 WILSON	8	9.08	69	14.59	0.00
99 YADKIN	2	7.01	14	8.79	0.00
100 YANCEY	2	11.97	9	10.12	0.00

* SEE SECTION I

INFANT MORTALITY

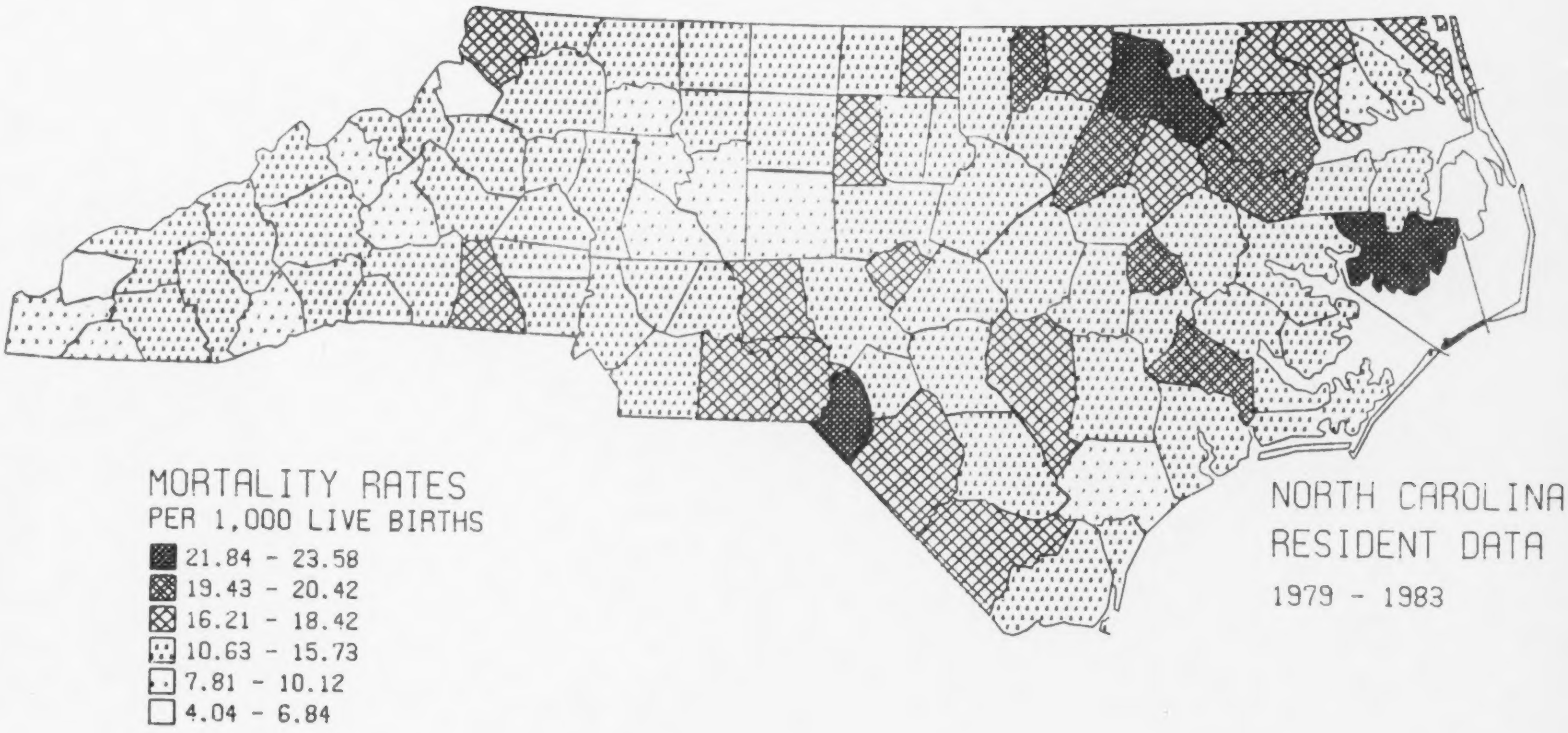

MORTALITY RATES
PER 1,000 LIVE BIRTHS
▩ 21.84 - 23.58
▩ 19.43 - 20.42
▨ 16.21 - 18.42
⁞ 10.63 - 15.73
⁚ 7.81 - 10.12
☐ 4.04 - 6.84
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 28

VI. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH 1979-1983

TABLE 29

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1983

	Underlying Cause of Death	Total Under-lying*	Conditions Mentioned on Death Certificate (Numbers refer to row titles)											
			1	2	3	4	5	6	7	8	9	10	11	12
1	Diseases of heart	18813	18812	8149	8305	2517	1907	9185	688	15	84	13	111	65
2	Acute myocardial infarction	8106	8106	8106	3262	925	486	3403	205	5	24	1	39	14
3	Other forms of ischemic heart disease	4966	4966	0	4966	505	523	3647	200	6	21	2	31	24
4	Hypertension with or without renal disease	246	113	0	0	244	23	70	10	0	2	0	1	0
5	Cerebrovascular disease	4543	1417	68	381	719	4543	1849	146	4	16	5	20	18
6	Atherosclerosis	570	322	0	0	0	0	570	31	0	3	1	4	4
7	Cancer	10363	2586	93	408	214	249	542	10363	289	1110	534	2812	907
8	Stomach	285	52	1	8	3	3	8	285	285	0	0	0	0
9	Colon, rectum, rectosigmoid junction & anus	1091	288	17	41	24	29	56	1091	0	1091	0	2	2
10	Pancreas	531	113	2	16	12	8	29	531	0	0	531	1	2
11	Trachea, bronchus and lung	2789	634	28	126	53	44	151	2789	2	4	2	2789	11
12	Female breast	882	185	9	19	22	16	28	882	0	4	0	0	882
13	Cervix uteri	155	42	0	3	3	3	4	155	0	0	0	0	0
14	Ovary & other uterine adnexa	245	58	1	7	7	2	10	245	0	2	0	0	1
15	Prostate	640	223	6	49	24	28	53	640	0	1	0	1	0
16	Leukemia	371	102	4	18	1	28	20	371	0	2	0	4	1
17	Diabetes mellitus	848	573	171	220	156	182	308	30	0	5	0	7	5
18	Pneumonia & influenza	1394	555	43	144	41	191	268	97	0	13	4	21	3
19	Chronic obstructive pulmonary disease & allied conditions	1496	755	61	153	54	79	210	85	2	3	1	36	4
20	Chronic liver disease and cirrhosis	558	131	7	14	21	6	14	9	0	0	1	0	0
21	Nephritis, nephrotic syndrome & nephrosis	542	303	25	52	7	48	86	25	1	6	0	0	2
22	Motor vehicle accidents	1282	67	3	10	5	2	7	4	0	0	0	1	0
23	All other accidents & adverse effects	1473	303	24	43	28	49	82	31	1	4	0	4	3
24	Suicide	748	31	0	9	4	4	7	13	0	2	0	1	1
25	Homicide	560	10	0	0	0	1	0	0	0	0	0	0	0
	TOTAL DEATHS**	50181	28330	8807	10072	4252	7717	13831	11778	315	1276	566	3053	1033

TABLE 29 - continued

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS 1983

Underlying Cause of Death	Conditions Mentioned on Death Certificate (Numbers refer to row titles)													
	13	14	15	16	17	18	19	20	21	22	23	24	25	Alcohol
1 Diseases of heart	6	8	123	29	1742	699	1210	103	582	10	476	1	1	200
2 Acute myocardial infarction	2	2	39	7	816	135	415	24	139	6	112	0	0	68
3 Other forms of ischemic heart disease	2	3	39	8	481	225	432	34	181	2	153	0	0	57
4 Hypertension with or without renal disease	0	0	3	0	33	8	12	1	10	0	4	0	0	4
5 Cerebrovascular disease	0	2	31	8	349	410	135	13	104	0	164	0	1	24
6 Atherosclerosis	0	0	8	1	32	48	20	1	59	0	28	0	0	2
7 Cancer	160	250	674	378	284	585	508	20	348	0	231	0	0	20
8 Stomach	0	2	0	0	9	6	9	1	8	0	7	0	0	0
9 Colon, rectum, rectosigmoid junction & anus	2	0	5	0	28	39	26	3	40	0	38	0	0	1
10 Pancreas	0	0	2	1	32	13	11	0	17	0	8	0	0	0
11 Trachea, bronchus and lung	1	0	10	3	70	211	318	7	25	0	54	0	0	6
12 Female breast	1	1	0	1	27	22	7	0	18	0	14	0	0	0
13 Cervix uteri	155	0	0	0	2	4	1	0	26	0	5	0	0	0
14 Ovary & other uterine adnexa	0	245	0	0	4	5	1	0	7	0	4	0	0	0
15 Prostate	0	0	640	0	21	35	21	0	52	0	10	0	0	1
16 Leukemia	0	1	1	371	12	40	10	1	13	0	9	0	0	0
17 Diabetes mellitus	0	1	4	0	848	40	15	4	108	0	26	0	0	8
18 Pneumonia & influenza	0	0	17	11	77	1394	103	20	74	0	35	0	0	36
19 Chronic obstructive pulmonary disease & allied conditions	0	0	12	2	44	225	1496	9	48	2	42	0	0	16
20 Chronic liver disease and cirrhosis	1	0	1	0	25	24	23	554	54	0	11	0	0	256
21 Nephritis, nephrotic syndrome & nephrosis	1	2	2	2	30	37	20	8	541	0	18	0	0	4
22 Motor vehicle accidents	0	0	1	0	5	3	1	3	9	1282	7	0	0	75
23 All other accidents & adverse effects	1	0	4	3	39	35	33	23	31	0	1473	0	0	221
24 Suicide	0	0	4	0	2	2	6	1	0	0	3	748	0	40
25 Homicide	0	0	0	0	0	0	0	0	0	0	3	0	560	9
TOTAL DEATHS**	176	268	922	453	3760	3978	3836	849	2467	1297	3035	752	562	1289

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequence of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

Note: In this table, a death counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

TABLE 30

NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1983

Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificates (Numbers refer to row titles)											
	1	2	3	4	5	6	7	8	9	10	11	12
1 Diseases of heart	28330	8807	10072	3370	3851	12022	3543	73	406	138	800	274
2 Acute myocardial infarction	8807	8807	3404	1002	613	3590	317	6	43	6	70	25
3 Other forms of ischemic heart disease	10072	3404	10072	1052	1230	7256	747	16	74	21	186	53
4 Hypertension with or without renal disease	3370	1002	1052	4252	1255	1393	309	4	40	12	64	35
5 Cerebrovascular disease	3851	613	1230	1255	7717	3444	488	9	59	16	80	43
6 Atherosclerosis	12022	3590	7256	1393	3444	13831	1055	17	109	40	231	85
7 Cancer	3543	317	747	309	488	1055	11778	315	1276	566	3053	1033
8 Stomach	73	6	16	4	9	17	315	315	0	0	2	0
9 Colon, rectum, rectosigmoid junction & anus	406	43	74	40	59	109	1276	0	1276	0	7	7
10 Pancreas	138	6	21	12	16	40	566	0	0	566	3	2
11 Trachea, bronchus and lung	800	70	186	64	80	231	3053	2	7	3	3053	13
12 Female breast	274	25	53	35	43	85	1033	0	7	2	13	1033
13 Cervix uteri	55	2	5	3	4	10	176	0	2	0	2	2
14 Ovary & other uterine adnexa	72	4	13	10	6	18	268	2	2	0	0	3
15 Prostate	405	49	118	47	79	171	922	1	9	2	15	0
16 Leukemia	150	11	33	5	39	40	453	0	2	1	7	2
17 Diabetes mellitus	2828	1022	1226	863	815	1636	382	10	42	33	83	41
18 Pneumonia & influenza	1869	206	551	193	844	1051	762	6	57	19	248	38
19 Chronic obstructive pulmonary disease & allied conditions	2456	501	949	267	342	1199	670	13	39	14	374	15
20 Chronic liver disease and cirrhosis	300	35	69	48	29	88	37	2	4	2	9	0
21 Nephritis, nephrotic syndrome & nephrosis	1489	206	402	51	263	644	424	9	57	17	29	24
22 Motor vehicle accidents	78	9	15	5	2	13	5	0	0	0	2	0
23 All other accidents & adverse effects	1209	156	334	113	309	520	307	8	48	9	63	20
24 Suicide	32	0	9	4	4	7	13	0	2	0	1	1
25 Homicide	12	0	0	0	2	2	0	0	0	0	0	0
26 Alcohol-related conditions	425	80	124	73	42	135	40	0	4	1	9	0
Total Deaths*	28330	8807	10072	4252	7717	13831	11778	315	1276	566	3053	1033

TABLE 30 - continued

NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1983

Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers refer to row titles)													
	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1 Diseases of heart	55	72	405	150	2828	1869	2456	300	1489	78	1209	32	12	425
2 Acute myocardial infarction	2	4	49	11	1022	206	501	35	206	9	156	0	0	80
3 Other forms of ischemic heart disease	5	13	118	33	1226	551	949	69	402	15	334	9	0	124
4 Hypertension with or without renal disease	3	10	47	5	863	193	267	48	51	5	113	4	0	73
5 Cerebrovascular disease	4	6	79	39	815	844	342	29	263	2	309	4	2	42
6 Atherosclerosis	10	18	171	40	1636	1051	1199	88	644	13	520	7	2	135
7 Cancer	176	268	922	453	382	762	670	37	424	5	307	13	0	40
8 Stomach	0	2	1	0	10	6	13	2	9	0	8	0	0	0
9 Colon, rectum, rectosigmoid junction & anus	2	2	9	2	42	57	39	4	57	0	48	2	0	4
10 Pancreas	0	0	2	1	33	19	14	2	17	0	9	0	0	1
11 Trachea, bronchus and lung	2	0	15	7	83	248	374	9	29	2	63	1	0	9
12 Female breast	2	3	0	2	41	38	15	0	24	0	20	1	0	0
13 Cervix uteri	176	0	0	0	4	5	1	1	28	0	6	0	0	2
14 Ovary & other uterine adnexa	0	268	0	1	5	5	1	0	10	0	6	0	0	0
15 Prostate	0	0	922	1	41	67	55	1	67	1	26	4	0	3
16 Leukemia	0	1	1	453	18	58	15	1	19	0	18	0	0	0
17 Diabetes mellitus	4	5	41	18	3760	256	196	45	276	6	146	2	0	51
18 Pneumonia & influenza	5	5	67	58	256	3978	498	59	249	3	179	2	0	77
19 Chronic obstructive pulmonary disease & allied conditions	1	1	55	15	196	498	3836	54	156	3	133	6	0	75
20 Chronic liver disease and cirrhosis	1	0	1	1	45	59	54	849	80	4	39	1	0	348
21 Nephritis, nephrotic syndrome & nephrosis	28	10	67	19	276	249	156	80	2467	9	135	0	0	50
22 Motor vehicle accidents	0	0	1	0	6	3	3	4	9	1297	8	0	0	76
23 All other accidents & adverse effects	6	6	26	18	146	179	133	39	135	8	3035	3	3	263
24 Suicide	0	0	4	0	2	2	6	1	0	0	3	752	0	42
25 Homicide	0	0	0	0	0	0	0	0	0	0	3	0	562	9
26 Alcohol-related conditions	2	0	3	0	51	77	75	348	50	76	263	42	9	1289
TOTAL DEATHS*	176	268	922	453	3760	3978	3836	849	2467	1297	3035	752	562	1289

*Differences between these totals and the summation over causes are attributable to causes not given in the table and to multiple counting of a condition if it appears in combination with more than one other condition on a certificate.

Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate. Also, the ICD-9 codes used to count hypertension and atherosclerosis mentions are different from the codes used to count underlying cause elsewhere in this report. For further explanation see Multiple Conditions Present at Death: A Special Study, SCHS, 1982.

CONDITIONS MENTIONED - HYPERTENSION

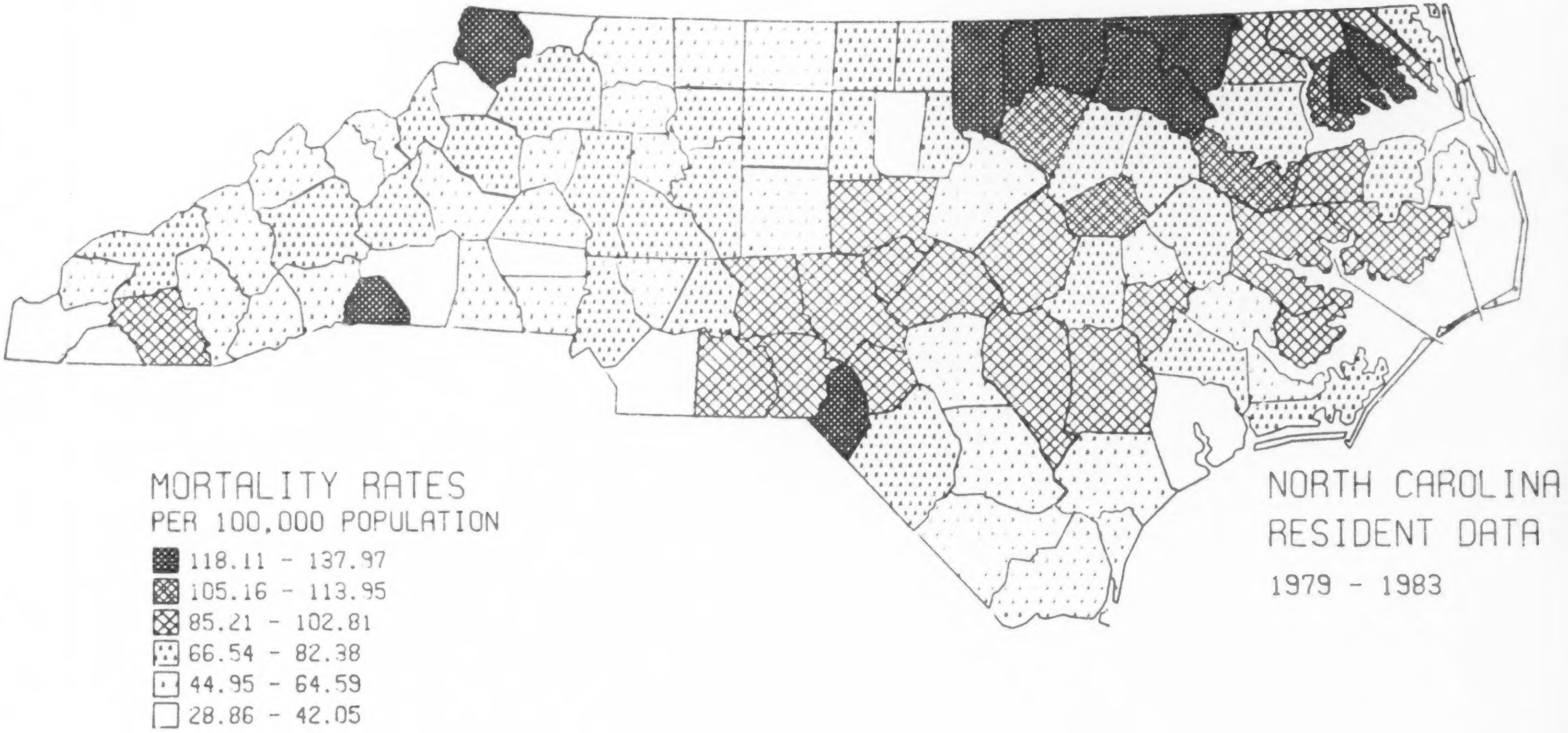

MORTALITY RATES
PER 100,000 POPULATION
▩ 118.11 - 137.97
▩ 105.16 - 113.95
▩ 85.21 - 102.81
▨ 66.54 - 82.38
☐ 44.95 - 64.59
☐ 28.86 - 42.05
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 29.A

CONDITIONS MENTIONED - HYPERTENSION

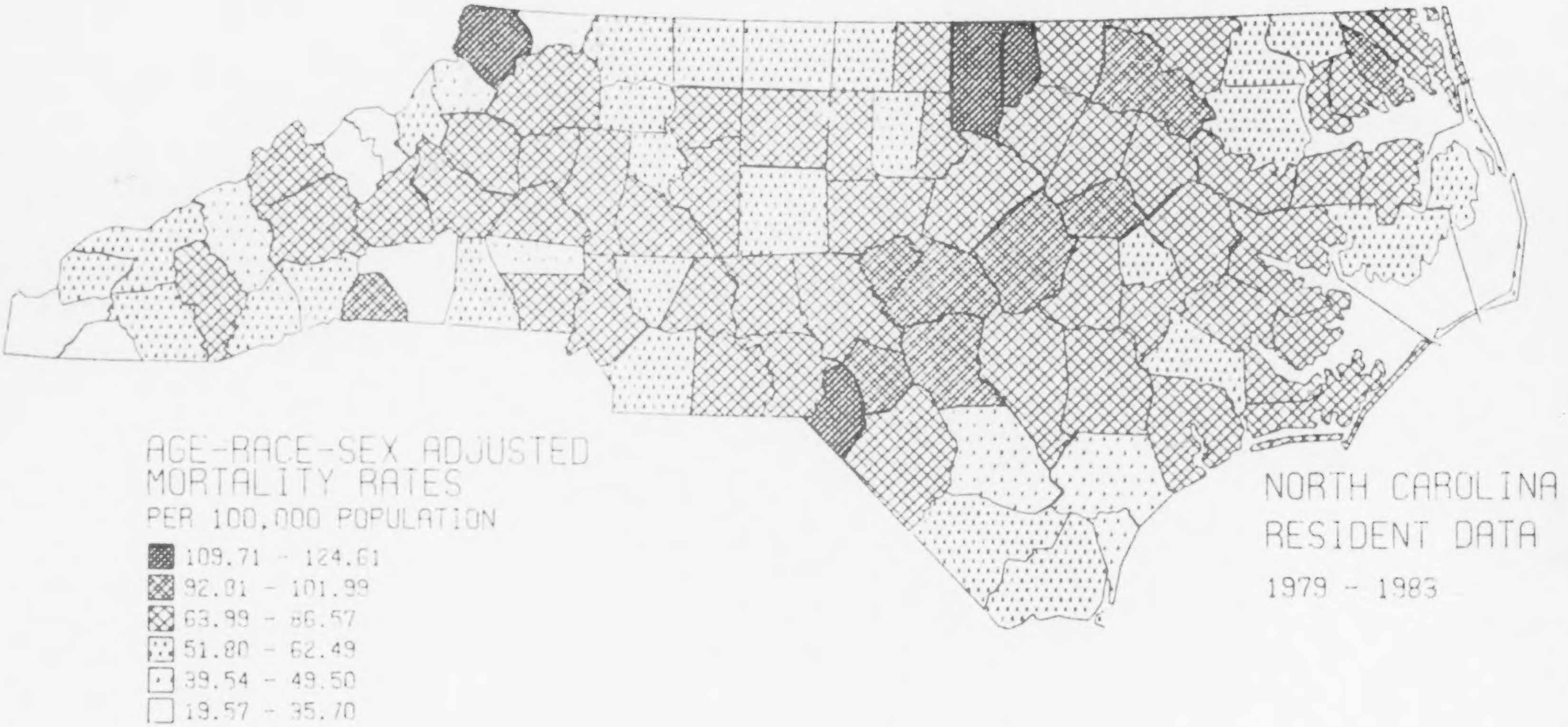

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 109.71 - 124.61
▩ 92.81 - 101.99
▩ 63.99 - 86.57
▩ 51.80 - 62.49
☐ 39.54 - 49.50
☐ 19.57 - 35.70
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 29.B

CONDITIONS MENTIONED - ATHEROSCLEROSIS

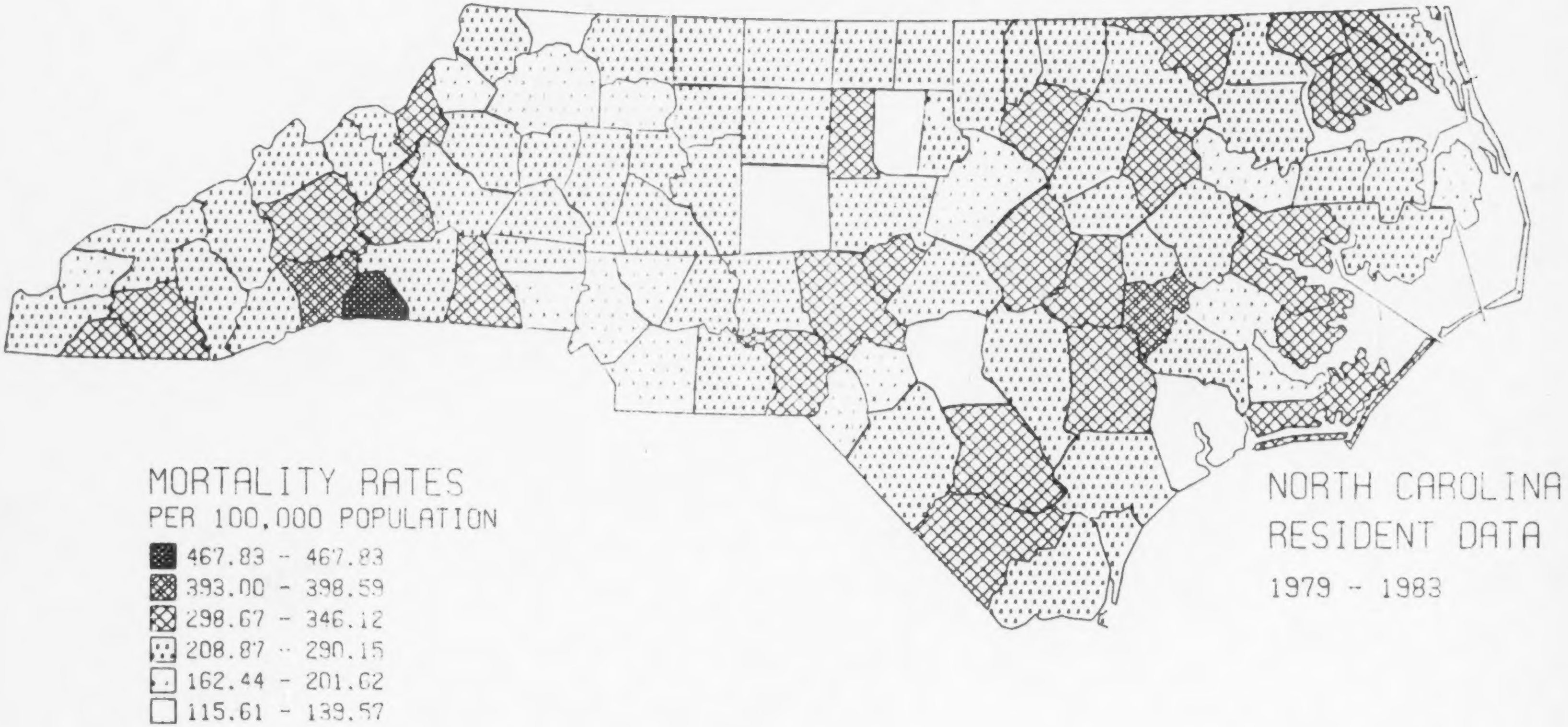

MORTALITY RATES
PER 100,000 POPULATION
▩ 467.83 - 467.83
▩ 393.00 - 398.59
▨ 298.67 - 346.12
⁘ 208.87 - 290.15
· 162.44 - 201.62
☐ 115.61 - 139.57
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 30.A

CONDITIONS MENTIONED - ATHEROSCLEROSIS

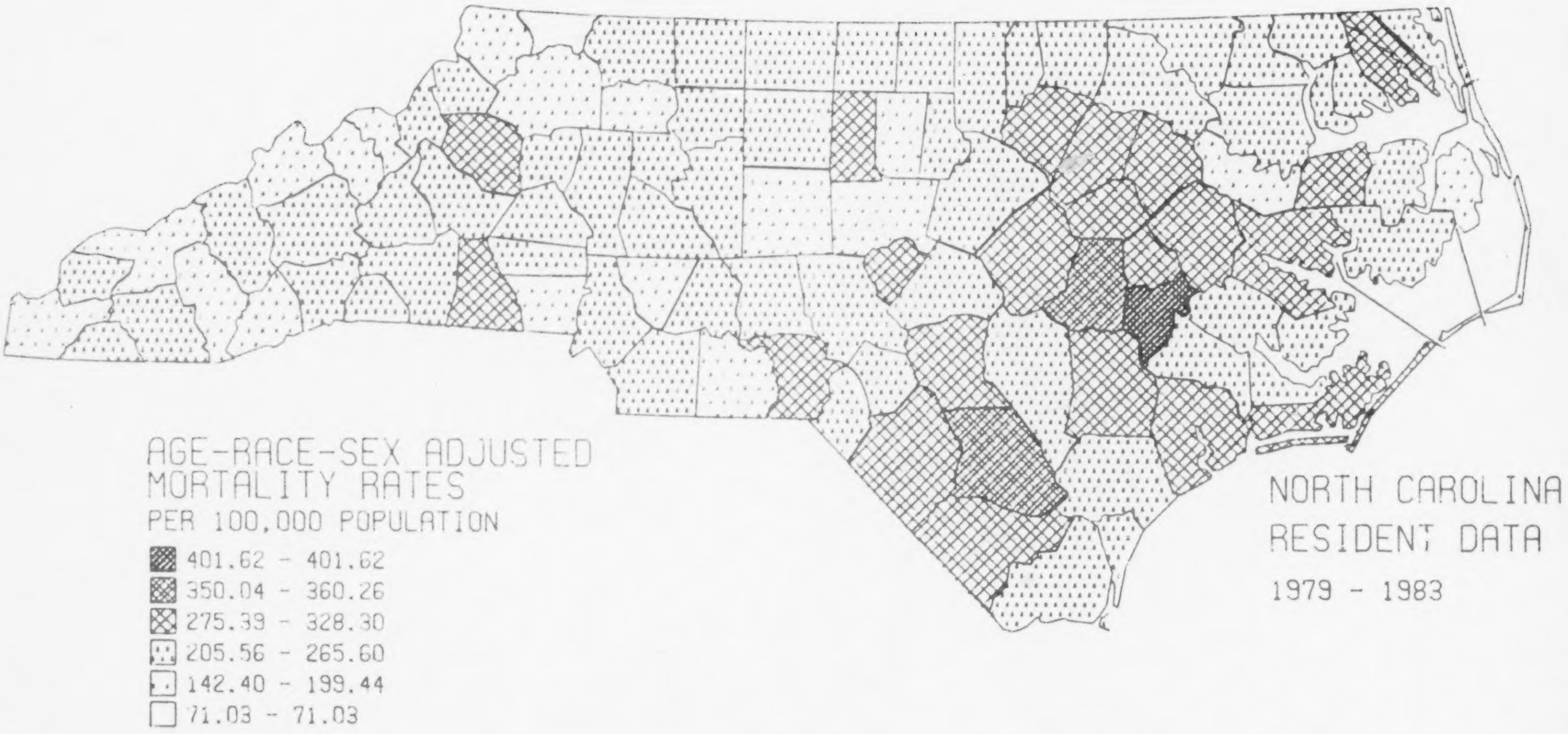

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 401.62 - 401.62
▩ 350.04 - 360.26
▨ 275.39 - 328.30
⁙ 205.56 - 265.60
⁚ 142.40 - 199.44
☐ 71.03 - 71.03
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 30.B

CONDITIONS MENTIONED - DIABETES

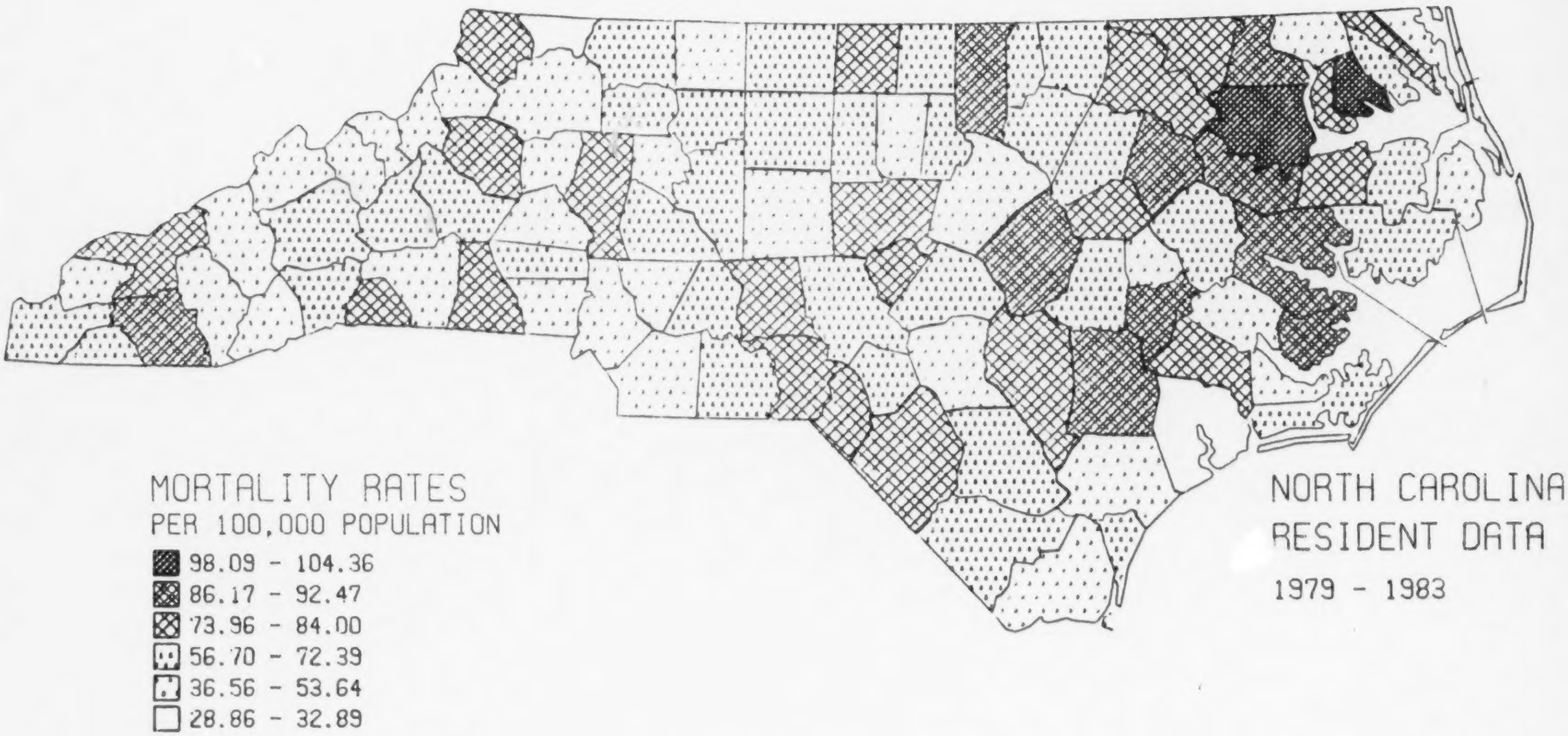

MORTALITY RATES
PER 100,000 POPULATION
▩ 98.09 - 104.36
▩ 86.17 - 92.47
▨ 73.96 - 84.00
▦ 56.70 - 72.39
▦ 36.56 - 53.64
☐ 28.86 - 32.89
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 31.A

CONDITIONS MENTIONED - DIABETES

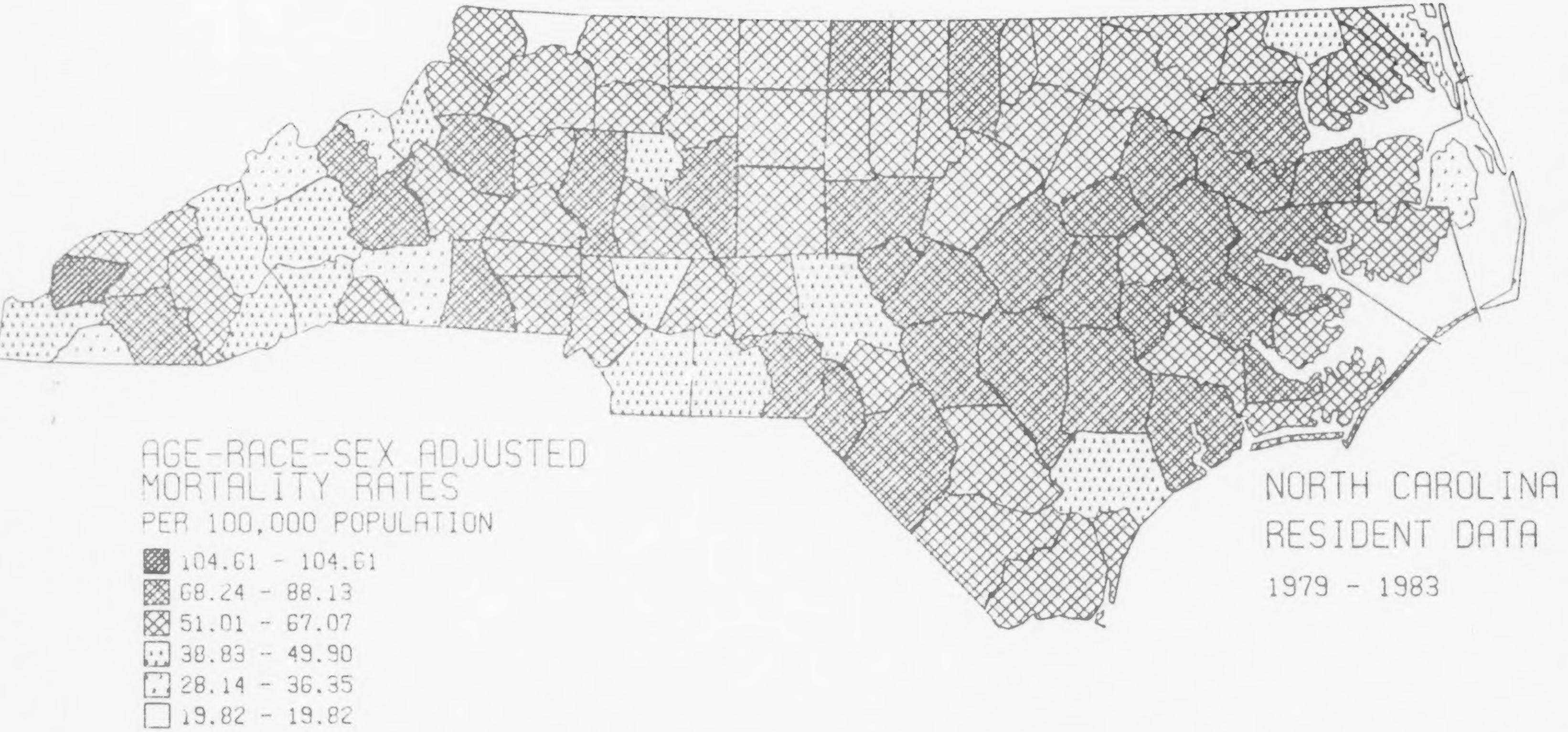

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 104.61 - 104.61
▩ 68.24 - 88.13
▩ 51.01 - 67.07
⁘ 38.83 - 49.90
⁘ 28.14 - 36.35
☐ 19.82 - 19.82
NORTH CAROLINA
RESIDENT DATA
1979 - 1983

FIGURE 31.B

REFERENCES

1. SAS Institute Inc. SAS User's Guide: Statistics, 1982 Edition, Cluster Procedure. Cary, N.C., 1982.

2. Kleinman, J.C. "Infant Mortality," Statistical Notes for Health Planners. Number 2, National Center for Health Statistics, Rockville, Maryland, July 1976.

3. United States Department of Health and Human Services, Public Health Service, National Center for Health Statistics. "Annual Summary of Births, Deaths, Marriages, and Divorces: United States, 1983," Monthly Vital Statistics Report. (PHS) 84-1120, Volume 32, Number 13, Hyattsville, Maryland, September 21, 1984.